

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

N74-15542

Unclas
26946

NASA-CR-128794-vol-8) RESULTS OF TESTS
OA12 AND IAS IN THE AMES RESEARCH CENTER
UNITARY PLAN WIND TUNNELS OF AN O.030
SCALE MODEL OF THE SPACE (Chrysler
Corp.) 1051 p HC \$6.75 CSCI 22B 63/31

SPACE SHUTTLE

AEROTHERMODYNAMIC DATA REPORT



November, 1973

BMS-DR-2032
NASA CR-128,794

VOLUME 8 OF 18

RESULTS OF TESTS OA12 AND IA9 IN THE
AMES RESEARCH CENTER UNITARY PLAN WIND TUNNELS
ON AN 0.030-SCALE MODEL OF THE SPACE SHUTTLE
VEHICLE 2A TO DETERMINE AERODYNAMIC LOADS

By

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Prepared under NASA Contract Number NAS9-13247

By

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Johnson Space Center

WING TUNNEL TEST SPECIFICS: . .

Test Numbers: ARC 11-707 (A)
 ARC 97-707 (B)
 ARC 87-707 (C)
NASA Series Numbers: IA9A, B, C and
 OA12A, C
Test Date: 2 April - 17 May, 1973

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AMES RESEARCH CENTER UNITARY PLAN WIND TUNNELS
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ABSTRACT

Tests were conducted in the NASA/ARC Unitary Plan Wind Tunnels during April and May 1973, on an 0.030-scale replica of the Space Shuttle Vehicle Configuration 2A. Aerodynamic loads data were obtained at Mach numbers from 0.6 to 3.5.

The investigation included Tests IA9A, B and C on the integrated (launch) configuration and Tests OA12A and C on the isolated orbiter (entry configuration). The integrated vehicle was tested at angles of attack and sideslip from -8 degrees to +8 degrees. The isolated orbiter was tested at angles of attack from -15 degrees to +40 degrees and angles of sideslip from -10 degrees to +10 degrees as dictated by trajectory considerations. The effects of orbiter/external tank incidence angle and deflected control surfaces on aerodynamic loads were also investigated.

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INTRODUCTION

The 0.030-scale Aero Loads Space Shuttle model was tested in the Unitary Plan Wind Tunnels at ARC starting April 2, and continuing through May 17, 1973 as follows:

IA9A	11-foot Transonic	April 2 to April 14, 1973
OA12A	11-foot Transonic	April 16 to April 29, 1973
IA9C	8x7-foot Supersonic	April 23 to May 1, 1973
OA12C	8x7-foot Supersonic	May 2 to May 8, 1973
IA9B	9x7-foot Supersonic	May 9 to May 17, 1973

The testing was conducted in all three legs of the Unitary Plan Wind Tunnels to obtain a Mach number range from 0.6 to 3.5. Aerodynamic loads data were obtained for the ascent and entry configurations. The effects of control surface deflections were also investigated.

This report consists of 3 volumes of force data and 15 volumes of pressure data for a total of 18 volumes arranged in the following manner:

VOLUME NO.

CONTENTS

- | | |
|----|---|
| 1 | IA9A force data |
| 2 | IA9B and IA9C force data |
| 3 | OA12A and OA12C force data |
| 4 | IA9A plotted pressure data |
| 5 | IA9B and IA9C plotted pressure data |
| 6 | OA12A and OA12C plotted pressure data |
| 7 | IA9A tabulated pressure data <ul style="list-style-type: none">(a) orbiter fuselage(b) orbiter base(c) upper MPS nozzle |
| 8 | IA9A tabulated pressure data <ul style="list-style-type: none">(a) OMS nozzle(b) body flap(c) OMS pod outside(d) lower wing surface |
| 9 | IA9A tabulated pressure data <ul style="list-style-type: none">(a) upper wing surface(b) left vertical tail surface(c) right vertical tail surface(d) APU inlet(e) SRM booster base |
| 10 | IA9A tabulated pressure data <ul style="list-style-type: none">(a) SRM booster(b) external tank |

INTRODUCTION (CONTINUED)

- 11 IA9B tabulated pressure data
 - (a) orbiter fuselage
 - (b) orbiter base
 - (c) upper MPS nozzle
 - (d) OMS nozzle
 - (e) body flap
 - (f) OMS pod outside
 - (g) lower wing surface
- 12 IA9B tabulated pressure data
 - (a) upper wing surface
 - (b) left vertical tail surface
 - (c) right vertical tail surface
 - (d) APU inlet
 - (e) SRM booster base
 - (f) SRM booster
 - (g) external tank
 - (h) external tank base
- 13 IA9C tabulated pressure data
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 - (b) orbiter base
 - (c) upper MPS nozzle
 - (d) OMS nozzle
 - (e) body flap
 - (f) OMS pod outside
- 14 IA9C tabulated pressure data
 - (a) lower wing surface
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 - (c) left vertical tail surface
 - (d) right vertical tail surface
- 15 IA9C tabulated pressure data
 - (a) APU inlet
 - (b) SRM booster base
 - (c) SRM booster
 - (d) external tank
 - (e) external tank base
- 16 OA12A tabulated pressure data
 - (a) orbiter fuselage
 - (b) orbiter base
 - (c) upper MPS nozzle
 - (d) OMS nozzle
 - (e) body flap
 - (f) OMS pod outside

INTRODUCTION (CONCLUDED)

- 17 OA12A tabulated pressure data
 - (a) lower wing surface
 - (b) upper wing surface
 - (c) left vertical tail surface
 - (d) right vertical tail surface
 - (e) APU inlet
- 18 OA12C tabulated pressure data
 - All components

NOMENCLATURE
General

<u>SYMBOL</u>	<u>SADSAC SYMBOL</u>	<u>DEFINITION</u>
a		speed of sound; m/sec, ft/sec
C _p	CP	pressure coefficient; $(p_1 - p_\infty)/q$
M	MACH	Mach number; V/a
p		pressure; N/m ² , psf
q	Q(NSM) Q(PSF)	dynamic pressure; $1/2\rho V^2$, N/m ² , psf
RN/L	RN/L	unit Reynolds number; per m, per ft
V		velocity; m/sec, ft/sec
α	ALPHA	angle of attack, degrees
β	BETA	angle of sideslip, degrees
ψ	PSI	angle of yaw, degrees
ϕ	PHI	angle of roll, degrees
ρ		mass density; kg/m ³ , slugs/ft ³
<u>Reference & C.G. Definitions</u>		
A _b		base area; m ² , ft ²
b	BREF	wing span or reference span; m, ft
c.g.		center of gravity
$\frac{l}{c}$ _{REF}	LREF	reference length or wing mean aerodynamic chord; m, ft
S	SREF	wing area or reference area; m ² , ft ²
	MRP	moment reference point
	XMRP	moment reference point on X axis
	YMRP	moment reference point on Y axis
	ZMRP	moment reference point on Z axis

SUBSCRIPTS

b	base
l	local
s	static conditions
t	total conditions
∞	free stream

NOMENCLATURE (Continued)

Body-Axis System

<u>SYMBOL</u>	<u>SADSAC SYMBOL</u>	<u>DEFINITION</u>
C_N	CN	normal-force coefficient; $\frac{\text{normal force}}{qS}$
C_A	CA	axial-force coefficient; $\frac{\text{axial force}}{qS}$
C_Y	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
C_{A_b}	CAB	base-force coefficient; $\frac{\text{base force}}{qS}$ $-A_b(p_b - p_\infty)/qS$
C_{A_f}	CAF	forebody axial force coefficient, $C_A - C_{A_b}$
C_m	CLM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS l_{REF}}$
C_n	CYN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qS b}$
C_l	CBL	rolling-moment coefficient; $\frac{\text{rolling moment}}{qS b}$

Stability-Axis System

C_L	CL	lift coefficient; $\frac{\text{lift}}{qS}$
C_D	CD	drag coefficient; $\frac{\text{drag}}{qS}$
C_{D_b}	CDB	base-drag coefficient; $\frac{\text{base drag}}{qS}$
C_{D_f}	CDF	forebody drag coefficient; $C_D - C_{D_b}$
C_Y	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
C_m	CLM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS l_{REF}}$
C_n	CLN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qS b}$
C_l	CSL	rolling-moment coefficient; $\frac{\text{rolling moment}}{qS b}$
L/D	L/D	lift-to-drag ratio; C_L/C_D
L/D_f	L/DF	lift to forebody drag ratio; C_L/C_{D_f}

NOMENCLATURE (CONTINUED)

ADDITIONS TO STANDARD LIST

<u>SYMBOL</u>	<u>PLOT SYMBOL</u>	<u>DEFINITION</u>
δ_R	RUDDER	rudder, surface deflection angle, positive deflection, trailing edge to the left; degrees.
δ_e	ELEVON	elevon, surface deflection angle, positive deflection, trailing edge down; degrees.
δ_{RF}	RUDFLR	rudder flare, split rudder deflection angle, left split rudder trailing edge left and right split rudder trailing edge right, $\delta_{RF} = (\delta_{RL} + \delta_{RR})/2$, positive deflection; degrees.
i_o	ORBINC	incidence angle between the orbiter and external tank, $i_o = \alpha_t - \alpha_b$; degrees.
β_T	BETAT	angle of sideslip of external tank.
α_T	ALPHAT	angle of attack of external tank.
l_B	LB	length of orbiter body; in.
l_T	LT	length of external tank; in.
l_s	LS	length of SRM booster; in.
l_{NM}	LNM	length of OMS nozzle, positive direction forward of exit plane; in.
l_{NP}	LNP	length of MPS nozzle, positive direction forward of exit plane; in.
$b/2$	BW	wing semi-span; in.
b_v	BV	vertical tail span; in.
x	X	distance from component nose; in.
y	Y	lateral distance from centerline; in.

NOMENCLATURE (CONCLUDED)

<u>SYMBOL</u>	<u>PLOT SYMBOL</u>	<u>DEFINITION</u>
z	Z	vertical distance measured from W.L. 500 (vertical tail reference root chord); in.
c_w	CW	local wing chord; in.
c_v	CV	local vertical tail chord; in.
x/l_B	X/LB	longitudinal position/orbiter body length.
x/l_T	X/LT	longitudinal position/external tank length.
x/l_S	X/LS	longitudinal position/booster length.
x/l_{NM}	X/LNM	longitudinal position/QMS nozzle length.
x/l_{NP}	X/LNP	longitudinal position/MPS nozzle length.
x/c_w	X/CW	local chordwise position/local wing chord length.
x/c_v	X/CV	local chordwise position/local vertical tail chord length.
$y/b/2$	Y/BW	local spanwise position/wing semi-span.
z/b_v	Z/BV	local spanwise position/vertical tail span.

CONFIGURATIONS INVESTIGATED

The 0.030-scale aero loads model was a replica of the Space Shuttle Vehicle 2A. It consisted of four major components: the orbiter, the external oxygen and hydrogen tank (ET) and two solid rocket boosters (SRB).

On the ascent configuration, the orbiter was strut mounted from the ET on a Task Corporation MK XVI 2.5-inch diameter internal balance. The left SRB was strut mounted from the ET on a Task Corporation MK XXII 1.5-inch diameter internal balance. No attempt was made to simulate actual inter-attachments. The ET was sting mounted to the tunnel model support system on a Task Corporation 4.0-inch diameter internal balance. The right SRB was strut mounted symmetrically to the left side, but did not contain a balance. The orbiter configuration, designated as O2A, consisted of B10C5D7W87V5R5M3F4.

The entry configuration consisted of the isolated orbiter, sting mounted to the tunnel model support system on a Task Corporation MK XXA 2.5-inch diameter internal balance. Midway through the OAL2C test, the MK XXA balance was damaged and was replaced by the MK XXB for the high angles of attack. The orbiter was provided with deflectable elevons by means of interchangeable brackets, deflectable rudder by means of a pin-indexed hinge, and interchangeable rudders to obtain different speed brake flare angles. The main propulsion system engines were removed during entry configuration testing to provide sting clearance. A cover plate was provided for the strut clearance hole.

The orbiter was instrumented with 374 pressure orifices on the left wing, left side of the fuselage, vertical tail, left OMS pod and engine, left and upper MPS engine and the base. The pressures were measured using eleven Scanivalve, Inc., S-type valve modules mounted internally (a five and a six gang unit). When tested in the entry configuration, the MPS pressures were not available for measurement.

The left side of the ET was instrumented with 136 pressure orifices. These pressures were measured by means of 7 Scanivalve, Inc., S-type valve modules configured as one unit of 6 modules and one single. These valves were mounted internally in the tank. The left SRB had one gang of six S-type modules to measure 102 pressures. The right SRB was not instrumented. The pressure transducers used in the valve modules were Statham FM 131 TC differential pressure transducers, with ranges of ± 10 psid, ± 12.5 psid and ± 15 psid. Reference and calibration pressures were measured by the ARC micro manometers.

Some modifications were made to the model at the test site prior to

CONFIGURATIONS INVESTIGATED (CONTINUED)

testing. These were as follows:

1. The forward tip of the ET containing the retro rocket package (Reference NR Drawing VL78-000018) was replaced with a flush 0.90 inch radius nose (Model scale). The new nose had five pressure taps; one in the nose and four more aft of the nose on the vertical and horizontal axis on a 0.315 inch radius.
2. The ET balance cavity was enlarged by one inch on the diameter (from 5 inches to 6 inches) to provide clearance for cable routing and eliminate balance interference.
3. The clearances around both the orbiter and the SRB struts were opened to approximately 1/8 inch to prevent interference.
4. An alternate rudder hinge pin was provided to give a rudder deflection of +15 degrees.

Before and during the tests various model discrepancies developed or were discovered. These were generally minor and had only a negligible, if any, effect on the data. Significant discrepancies are noted below:

1. Pressure orifices P171 and P173 on the OMS pod base were omitted.
2. During the test certain pressure taps developed leaks or became plugged. Data from these taps are questionable and should be used with caution. Difficulties in checking may have resulted in erroneous indications of leakage. Repairs were made to correct leaking or plugged pressure instrumentation, whenever possible, as the test progressed. The following list gives those taps that were indicated as bad on the various leak and response checks:

ARC Facility	Run Nos.	Orifice numbers with questionable pressure data
11'	2-4	72, 163, 427
↓	5-118	31, 100, 123, 163, 201, 427
	119-160	16, 98, 101, 107, 333, 427
	161-170	16, 98, 101, 107, 333, 427 + 306, 307, 327, 328, 336, 337, 356, 357, 375

CONFIGURATIONS INVESTIGATED (CONCLUDED)

<u>ARC Facility</u>	<u>Run Nos.</u>	<u>Orifice numbers with questionable pressure data</u>
11'	171-182	16, 47, 53, 75, 78, 98, 107, 201, 236, 237, 238, 307, 327, 365, 427
↓	183-189	Same as (171-182) + 7, 447, 525
↓	190-211	Same as (171-182)
8'x7'	220-234	20, 21, 24, 74, 326, 327, 336, 424, 427, 752, 868, 871
↓	235-285	74, 326, 327, 336, 424, 427, 752, 868, 871
↓	286-300	74, 107, 115, 124, 129, 138, 326, 327, 336, 427
↓	301-305	74, 326, 327, 336, 427
↓	306-333	74, 326, 327, 427
9'x7'	340-396	5, 325, 326, 327, 424, 427, 526, 752, 868, 871

TEST FACILITIES DESCRIPTION

Ames 11 x 11-Ft. Transonic

The Ames 11 x 11-Foot Transonic Wind Tunnel is a variable density, closed return, continuous flow type. This tunnel has an adjustable nozzle (two flexible walls) and a slotted test section to permit transonic testing over a Mach number range continuously variable from 0.4 to 1.4.

Ames 8 x 7-Ft. Supersonic

The Ames 8 x 7-Foot Supersonic Wind Tunnel is a closed-return, variable-density tunnel with a 8- by 7-foot rectangular test section. The nozzle has flexible side walls with fixed upper and lower surfaces. Mach number range is continuously variable from 2.45 to 3.5. Tunnel stagnation pressure can be varied from 0.3 to 2.0 atmospheres and Reynolds number per foot varies from 1.0×10^6 to 5.0×10^6 .

Ames 9 x 7-Ft. Supersonic

The Ames 9 x 7-Foot Supersonic Wind Tunnel is a variable density, continuous flow type with an adjustable nozzle to permit supersonic testing over a Mach number range continuously variable from 1.5 to 2.5. The nozzle is of the asymmetric, sliding-block type in which the variation of the test section Mach number is achieved by translating, in the streamwise direction, the fixed-contour block that forms the floor of the nozzle.

DATA REDUCTION

Standard procedures were utilized to reduce force and pressure data to coefficient form. The following dimensional constants were applied:

Reference Dimensions and Constants (Model Scale)

$$S_{\text{Ref.}} = 2.421 \text{ ft}^2$$

Orbiter reference area

$$l_{\text{Ref.}} = 39.849 \text{ in.}$$

Orbiter reference length

Base Areas (Model Scale)

$$A_{\text{BOI}} = 0.1903 \text{ Ft}^2$$

Orbiter base area, integrated

$$A_{\text{BOA}} = 0.2362$$

Orbiter base area, sting mounted

$$A_{\text{EMPSU}} = 0.0417$$

Orbiter upper MPS base area

$$A_{\text{EMPSL}} = 0.0853$$

Orbiter lower MPS base area

$$A_{\text{BACPS}} = 0.0310$$

Orbiter ACPS base area on OMS pod

$$A_{\text{BOMS}} = 0.0231$$

Orbiter OMS nozzle base area

$$A_{\text{BPOD}} = 0.0257$$

Orbiter OMS pod base area

$$A_{\text{CO}} = 0.0611$$

Orbiter sting cavity base area

$$A_{\text{BNOZ}} = 0.0564$$

SRM nozzle base area

$$A_{\text{BSKIRT}} = 0.1729$$

SRM nozzle skirt base area

$$A_{\text{BETI}} = 0.3189$$

ET Base area

$$A_{\text{CET}} = 0.1964$$

ET Sting cavity base area

TEST : 0A12 / 1A9		TABLE I.	DATE : May, 1973
TEST CONDITIONS			
MACH NUMBER	REYNOLDS NUMBER (per unit length)	DYNAMIC PRESSURE (pounds/sq. foot)	STAGNATION TEMPERATURE (degrees Fahrenheit)
0.6	4.0×10^6	540	120° NOM.
0.9	4.5	800	
1.1	4.0	800	
1.25	3.0	630	
1.4	3.0	650	
1.55	2.8	600	
2.0	2.3	490	
2.5	1.5	300	
3.0	2.0	350	Y
3.5	2.0	300	

FIVE (5) TASK CORPORATION BALANCES
BALANCE UTILIZED: WITH CAPACITIES AS FOLLOWS:

	ISOLATED ORBITER		INTEGRATED VEHICLE		
	MARK IIA	MARK IIB	ORG MARK IIB	SRB MARK IIA	ET MARK IIB
NF	3000	3000	2400	1250	4000
NA	3000	3000	2400	1250	4000
YF	1500	1500	1200	500	2000
YA	1500	1500	1200	500	2000
X	600	600	1500	200	1000
R	4000	4000	4000	1000	10,000
SIZE	2.5"	2.5"	2.5"	1.5"	4.0"

COMMENTS: THE MARK IIA, 2.5 IN. DIA. BALANCE WAS
DAMAGED AFTER RUN 319. THE MARK IIB WAS
SUBSTITUTED FOR RUN 320 AND SUBSEQUENT RUNS

TABLE II.

DATE SET/RUN NUMBER COLLATION SUMMARY										DATE: 4-27-73										
DATA SET IDENTIFIER	CONFIGURATION	SCHD.		PARAMETERS/VALUES				NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE)						TEST RUN NUMBERS					
		α	β	δ_e	δ_R	δ_{FR}	L_0		0.6	0.9	1.1	1.25	1.4							
REMx01	$\phi_{2A} + S_3 + T_9$	A	0	0	0	0	1.5	4	3	5	6	7								
02		A	0	~	~	~	0.5	5	8	18	28	38	48							
03		-8	B				~	4	9	19	29	39								
04		-6	~					~	10	20	30	40								
05		-4						~	11	21	31	41								
06		-2						~	12	22	32	42								
07		0						5	13	23	33	43	49							
08		2						4	14	24	34	44								
09		4						~	15	25	35	45								
10		6						~	16	26	36	46								
11		8						~	17	~	57	47								
12		-8	C		-5			2			97	102								
13		-6	~		~			~			118	111								
14		-4						~			98	103								
15		-2						~			117	112								
16		0						~			99	104								
17		2						~			116	113								
18		4						~			100	105								
1																				

TABLE II. CONTINUED

DATE: .. .

DATA SET/RUN NUMBER COLLATION SUMMARY

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		PARAMETERS/VALUES				NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE)				TEST RUN NUMBERS
		α	β	δe	δR	δFR	i_0		0.6	0.9	1.1	1.25	
HBMx 19	$\phi_{2A} + S_3 + T_7$	6	C	0	-5	0	0.5	2			115	114	
20		8	T	-5							101	106	
21		-8			-10						60	69	
22		-6									61	70	
23		-4									62	71	
24		-2									63	72	
25		0									64	73	
26		2									65	74	
27		4									66	75	
28		6									67	76	
29		8									68	77	
30		-8			-15						78	88	
31		-6									79	89	
32		-4									80	90	
33		-2									81	91	
34		0									82	92	
35		2									83	93	
36		4									84	94	

α OR β

SCHEDULES

COEFFICIENTS

10.0 AR (1) 10VAR (2) NDV

TABLE II. CONTINUED

TEST: ARC 11-707 (I.P. 707)										DATE:																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
DATA SET/RUN NUMBER COLLATION SUMMARY										TEST RUN NUMBERS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
DATA SET IDENTIFIER	CONFIGURATION	SCHD. PARAMETERS/VALUES				NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	

TABLE II. CONTINUED

DATE SET/RUN NUMBER COLLATION SUMMARY										DATE: 5-17-73															
DATA SET IDENTIFIER		CONFIGURATION		SCHD.		PARAMETERS/VALUES				NO. OF RUNS		MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE)				TEST RUN NUMBERS									
				α	β	δe	δR	i_0	$\delta R F$			1.55	2.0												
RB01	01	02A + S3 + T9		A	0	0	0	0.5	0	2		341	351												
	02			B	0	T	T	T	T	T		342	360												
	03			6	T							343	359												
	04			4								344	358												
	05			2								345	357												
	06			0								346	356												
	07			-2								347	355												
	08			-4								348	354												
	09			-6								349	353												
	10			-8								350	352												
	11			-8	C							361	367												
	12			-4	T							362	363												
	13			0								363	369												
	14			4								364	370												
	15			6								365	371												
	16			8								366	372												
	17			-8								373	379												
	18			-4								374	380												

TABLE II. CONTINUED

TEST: ARC 97-707(IA98)

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE: 5-17-73

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		PARAMETERS/VALUES						NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE)				
		α	β	δe	δR	i_0	$\delta \epsilon_f$	1.55			2.0				
RBDX19	$\phi_{2A} + S_3 + T_9$	0	C	0	-10	0.5	0	2	375	381					
T-20		4	T	T	T	T	T	T	376	382					
21		6			↓				377	383					
22		8							378	384					
23		-8			+15				385	391					
24		-4			T				386	392					
25		0							387	393					
26		4							388	394					
27		6		↓	↓	↓	↓	↓	389	395					
28		8		↓	↓	↓	↓	↓	390	396					

TABLE II. CONTINUED

[illegible]

TABLE II. CONTINUED

DATE: 5-1-73

DATA SET/RUN NUMBER COLLATION SUMMARY

TEST: ARC 8x7-707 (IA9C)

DATA SET IDENTIFIER	CONFIGURATION	SCHD. PARAMETERS/VALUES				NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE)				
		α	β	δ_e	δ_R		δ_{FR}	δ_0	2.5	3.0	3.5
RBNx17	$\delta_{24} + S_3 + T_9$	-8	C	0	-10	0	0.5	3	274	280*	268
18	—	-4	T	—	—	—	—	—	275	281*	269
19	—	0	—	—	—	—	—	—	276	282*	270
20	—	4	—	—	—	—	—	—	277	283*	271
21	—	6	—	—	—	—	—	—	278	284*	272
22	—	8	—	—	—	—	—	—	279	285*	273

75 76

67

61

55

49

43

37

31

25

19

13

7

IDVAR (1)

IDVAR (2)

NDV

COEFFICIENTS

* NOTE: RUNS 280-285: β SCHEDULE 15:

-8, -4, 0, 4, 8

α OR β

SCHEDULES

75 76

67

61

55

49

43

37

31

25

19

13

7

TABLE II. CONTINUED

TEST: AIES 11-707 (0AL2A)										DATE: 4-23-73																															
DATA SET/RUN NUMBER COLLATION SUMMARY																																									
DATA SET IDENTIFIER	CONFIGURATION	SCHD. PARAMETERS/VALUES				NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE)						TEST RUN NUMBERS																												
		α	β	δe	δR		δFR	0.6	0.9																																
RBPx01	B ₀ C ₅ D ₇ N ₂ F ₄ M ₃ N ₃ V ₃ R ₃ W ₃ F ₁₀	A	0	0	0	0	2	119	125																																
02		0	B	T	T	T	T	120	126																																
03		5	T				T	121	127																																
04		10	T				T	122	128																																
05		15	T				T	123	129																																
06		20	T				T	124	130																																
07		0	C				T	131	136																																
08		5	T				T	132	137																																
09		10	T				T	133	138																																
10		15	T				T	134	139																																
11		20	T				T	135	140																																
12		0	T				T	141	146																																
13		5	T				T	142	147																																
14		10	T				T	143	148																																
15		15	T				T	144	149																																
16		20	T				T	145	150																																
17		0	D				T	151	156																																
18		5	D				T	152	160																																
		7	13	19	25	31	37	43	49	55	61	67	75	76																											
		COEFFICIENTS										IDVAR (1)										IDVAR (2)										NDV									
		α A = MAX, 0, 5, 10, 15, 20, 25										β C = 8, -4, 0, 4, 8										β D = -10, 0, 10										β E = -5, 0, 5									
		β B = -10, -5, 5, 10																																							
		SCHEDULES																																							

TABLE II. CONTINUED

[illegible]

TABLE II. CONTINUED

[illegible]

TABLE II. CONTINUED

TEST: 87-707 (0A12C)		DATA SET/RUN NUMBER COLLATION SUMMARY										DATE: 5-9-73	
DATA SET IDENTIFIER	CONFIGURATION	SCHD.		PARAMETERS/VALUES			NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE)					TEST RUN NUMBERS
		α	β	δC	δE	δFR		2.5	3.5				
R8Qx01	B10C7M2E2M3N3V3R3W3F3	A	0	0	0	40	2	290	286				
02		0	B	T	T	T	T	293	289				
03		10	C		T			292	288				
04		20	C					291	287				
05		0	D		-20			297	294				
06		10	T		T			298	295				
07		20	T		T			299	296				
08		0		10	0			303	300				
09		10		T	T			304	301				
10		20		T	T			305	302				
11		0		-20				309	306				
12		10		T				310	307				
13		20		T				311	308				
14		0		-40				317	314				
15		10		T				318	315				
16		20		T				319	316				
17		E	0	0				322	320				
18		30	D	0				323	321				
		7	13	19	25	31	37	43	49	55	61	67	75 76
		COEFFICIENTS											
		IDVAR (1) IDVAR (2) NDV											
		SCHEDULES											
		α OR β SCHEDULES $\alpha A = 0, 5, 10, 15, 20$ $AB = 3, -3$ $\alpha E = 15, 20, 25, 30, 35, 40$											
		$\beta C = 6, 3, -3, -6$ $\beta D = 6, 3, 0, -3, -6$											

TABLE II. CONCLUDED

[illegible]

TABLE III. MODEL COMPONENT DIMENSIONAL DATA

MODEL COMPONENT: B10 Body

GENERAL DESCRIPTION: Fuselage, 2A Configuration, Lightweight Orbiter, per
Rockwell Lines VL70-000089 "B."
Scale Model = .030

DRAWING NUMBER: VL70-000089 "B"
VL70-000092, 93, 94 "A"

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Length ~ IN	<u>1328.3</u>	<u>39.8490</u>
Max. Width ~ IN (@X ₀ = 1528.3)	<u>265.0</u>	<u>7.9500</u>
Max. Depth ~ IN. (@X ₀ = 1480.52)	<u>248.0</u>	<u>7.4400</u>
Fineness Ratio	<u>5.012</u>	<u>5.012</u>
Area ~ Ft ²		
Max. Cross-Sectional	<u>456.4</u>	<u>.41076</u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>

TABLE III. (CONTINUED)

MODEL COMPONENT: Canopy - C5GENERAL DESCRIPTION: 2A Configuration per Lines VL70-000092Scale Model = .030DRAWING NUMBER: VL70-000092

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Length (STA FWD Bulkhead)	<u>391.0</u>	<u>11.730</u>
Max. Width (T.E. Bulkhead)	<u>560.0</u>	<u>16.800</u>
Max. Depth (WP = 42.9 22 to = 500)	<u> </u>	<u> </u>
Fineness Ratio	<u> </u>	<u> </u>
Area		
Max. Cross-Sectional	<u> </u>	<u> </u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>

TABLE III. (CONTINUED)

MODEL COMPONENT: Manipulator Housing D-7

GENERAL DESCRIPTION: 2A Configuration per Rockwell Lines VL70-000093

Scale Model = .030

DRAWING NUMBER: VL70-000093

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Length ~ IN.	881.00	26.430
Max. Width ~ IN.	51.00	1.530
Max. Depth ~ IN.	23.00	.690
Fineness Ratio		
Area		
Max. Cross-Sectional		
Planform		
Wetted		
Base		

D Fuselage BP = 0.00

WP = 500.0 IN. FS

X.426.0 to 1307.0 IN. FS

TABLE III. (CONTINUED)

MODEL COMPONENT: WING-W87 New Light Weight OrbiterGENERAL DESCRIPTION: Orbiter Configuration Per Lines VL70-000093.NOTE: (Dihedral Angle is defined at the lower surface of the Wing at the 75.33% element line projected into a plane perpendicular.Scale Model = .030TEST NO.DWG. NO. VL70-000093DIMENSIONS:FULL-SCALEMODEL SCALETOTAL DATAArea (Theo.) Ft^2

Planform

Span (Theo) In.

Aspect Ratio

Rate of Taper

Taper Ratio

Dihedral Angle, degrees

Incidence Angle, degrees

Aerodynamic Twist, degrees

Sweep Back Angles, degrees

Leading Edge

Trailing Edge

0.25 Element Line

Chords:

Root (Theo) B.P.O.O.

Tip, (Theo) B.P. 46834

MAC

Fus. Sta. of .25 MAC

W.P. of .25 MAC

183.13 B.L. of .25 MAC

EXPOSED DATAArea (Theo) Ft^2

Span, (Theo) In. BP108 to 468.341

Aspect Ratio

Taper Ratio

Chords

Root BP108

Tip 1.00 $\frac{b}{2}$

MAC

Fus. Sta. of .25 MAC

W.P. of .25 MAC

B.L. of .25 MAC

Airfoil Section (Rockwell Mod NASA)

XXXX-64

Root $\frac{b}{2} = .425$ Tip $\frac{b}{2} = 1.00$

Data for (1) of (2) Sides

Leading Edge Cuff Ft^2

Planform Area

Leading Edge Intersects Fus M. L. @ Sta

Leading Edge Intersects Wing @ Sta

TABLE III. (CONTINUED)

MODEL COMPONENT: Elevon E-13GENERAL DESCRIPTION: 2A Configuration Per W-87 Rockwell Lines VL 70-000093Data for (1) of (2) SidesScale Model = .030DRAWING NUMBER: VL 70-000093

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Area $\sim \text{ft}^2$	<u>205.52</u>	<u>.18497</u>
Span (equivalent) $\sim \text{IN.}$	<u>353.34</u>	<u>10.60020</u>
Inb'd equivalent chord	<u>114.78</u>	<u>3.44340</u>
Outb'd equivalent chord	<u>55.00</u>	<u>1.6500</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>.208</u>	<u>.208</u>
At Outb'd equiv. chord	<u>.400</u>	<u>.400</u>
Sweep Back-Angles, degrees		
Leading Edge	<u>0.00</u>	<u>0.00</u>
Tailing Edge	<u>-10.24</u>	<u>-10.24</u>
Hingeline	<u>0.00</u>	<u>0.00</u>
Area Moment (Normal to hinge line) ft^3	<u>1548.07</u>	<u>.04180</u>
Product of Area Moment		

TABLE III. (CONTINUED)

MODEL COMPONENT: VERTICAL - V5 (Light Weight Orbiter Configuration)GENERAL DESCRIPTION: Centerline Vertical Tail, Double Wedge Airfoil with Rounded Leading Edge

Scale Model = .030

DRAWING NUMBER:

VL70-000095DIMENSIONS:FULL-SCALEMODEL SCALETOTAL DATA

Area (Theo) Ft ²	<u>413.25</u>	<u>.37192</u>
Planform		
Span (Theo) In	<u>315.72</u>	<u>9.47160</u>
Aspect Ratio	<u>1.675</u>	<u>1.675</u>
Rate of Taper	<u>0.507</u>	<u>0.507</u>
Taper Ratio	<u>.404</u>	<u>.404</u>
Sweep Back Angles, degrees		
Leading Edge	<u>45.000</u>	<u>45.000</u>
Trailing Edge	<u>26.249</u>	<u>26.249</u>
0.25 Element Line	<u>41.130</u>	<u>41.130</u>
Chords:		
Root (Theo) WP	<u>268.50</u>	<u>8.05500</u>
Tip (Theo) WP	<u>108.47</u>	<u>3.25410</u>
MAC	<u>199.81</u>	<u>5.99430</u>
Fus. Sta. of .25 MAC	<u>1463.50</u>	<u>43.90500</u>
W. P. of .25 MAC	<u>635.522</u>	<u>19.06566</u>
B. L. of .25 MAC	<u>0.00</u>	<u>0.00</u>
Airfoil Section		
Leading Wedge Angle Deg	<u>10.000</u>	<u>10.000</u>
Trailing Wedge Angle Deg	<u>14.920</u>	<u>14.920</u>
Leading Edge Radius IN.	<u>2.00</u>	<u>.06</u>
Void Area Ft ²	<u>13.17</u>	<u>.01185</u>
Blanketed Area Ft ²	<u>12.67</u>	<u>.01140</u>

TABLE III. (CONTINUED)

MODEL COMPONENT: R-5 RudderGENERAL DESCRIPTION: 2A Configuration per Rockwell Lines VL 70-000095Scale Model = .030DRAWING NUMBER: VL 70-000095

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Area $\sim \text{Ft}^2$	<u>106.38</u>	<u>.09574</u>
Span (equivalent) $\sim \text{IN.}$	<u>201.0</u>	<u>6.030</u>
Inb'd equivalent chord	<u>91.585</u>	<u>2.74755</u>
Outb'd equivalent chord	<u>50.833</u>	<u>1.52499</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>0.400</u>	<u>0.400</u>
At Outb'd equiv. chord	<u>0.400</u>	<u>0.400</u>
Sweep Back Angles, degrees		
Leading Edge	<u>34.83</u>	<u>34.83</u>
Tailing Edge	<u>26.25</u>	<u>26.25</u>
Hingeline	<u>34.83</u>	<u>34.83</u>
Area Moment (Normal to hinge line) $\sim \text{Ft}^3$	<u>526.13</u>	<u>.01421</u>
Product of Area and Mean Chord		

TABLE III. (CONTINUED)

MODEL COMPONENT: OMS Pod -M3

GENERAL DESCRIPTION: 2A Light Weight Configuration per Rockwell Lines

VL70-000094A

Scale Model = .030

DRAWING NUMBER: VL70-000094A

DIMENSIONS:

FULL-SCALE

MODEL SCALE

Length

346.0

10.380

Max. Width $X_{\perp} = 1450.0$

108.0

3.240

Max. Depth $X_0 = 1500.0$

113.0

3.390

Fineness Ratio

Area

Max. Cross-Sectional

Planform

Wetted

Base

L of OMS Pod

WP = 463.9 IN. FS WP 400 + 63.9 = 463.9

EP = 80.0 IN. FS

Length 1214.0 to 1560.0' = 346.0 IN. FS

TABLE III. (CONTINUED)

MODEL COMPONENT: FL Body Flap

GENERAL DESCRIPTION: 2A Configuration per Rockwell Lines VL70-000094A

Scale Model = .030

DRAWING NUMBER: VL70-000094A

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Length	<u>84.70</u>	<u>2.541</u>
Max. Width	<u>265.00</u>	<u>7.950</u>
Max. Depth	<u> </u>	<u> </u>
Fineness Ratio	<u> </u>	<u> </u>
Area ~ Ft ²		
Max. Cross-Sectional	<u> </u>	<u> </u>
Planform	<u>142.64</u>	<u>.12838</u>
Wetted	<u> </u>	<u> </u>
- Base Ft ²	<u>38.65</u>	<u>.03478</u>

TABLE III. (CONTINUED)

MODEL DIMENSIONAL DATA

MODEL COMPONENT : S3-Booster Solid Rocket MotorGENERAL DESCRIPTION : 2A Configuration Per Rockwell Lines VL77-000012
& VL72-000061 "B"Body of Revolution; Data for (1) of (2) SidesScale Model = .030DRAWING NUMBER : VL 77-000012

DIMENSIONS :

FULL SCALE

MODEL SCALE

Length ~IN.

1732.051.96

Max Width (DIA) IN. BSRM Tank

142.04.260

Max Depth (DIA) Aft Skirt

259.07.77

Fineness Ratio L/D

6.6876.687Area ~ Ft²Max. Cross-Sectional (Aft
Skirt)365.87.32928

Planform

Wetted

Base

Ref.

FS (Orbiter) = 0.00 = 747.99 IN. ET = 200.0 IN. BSRM

WP (BSRM) = WP 400(Orbiter) - 344.413 = 55.587 IN.

BP (Orbiter) = 0.00 = 243.0 IN. BSRM

TABLE III. (CONCLUDED)

MODEL COMPONENT: EXTERNAL TANK - T9

GENERAL DESCRIPTION: 2A Configuration

NOTE: T9 identical to T8 W/O retro pkg., nose w/30"R F.S.

DRAWING NUMBER

NONE

DIMENSION:

FULL SCALE

MODEL SCALE

Length - IN.

1858

55.740

Max Width (Dia) - IN.

324.0

9.720

Max Depth

Fineness Ratio L/D

5.73457

5.73457

Area - FT²

Max Cross-Sectional

572.56

0.51530

Planform

Wetted

Base

Nose, Radius, IN.

30.0

ORBITER BODY

ORBITER STATION ~ X ₀			RADIAL LOCATION θ ~ DEGREES																	
FULL	MODEL	X ₀ / l	0	20	40	55	70	90	105	110	120	135	142	150	157	162	165	169	172	180
200	6.00	0	20																	23
210	6.30	.008	21					22						31						32
225	6.75	.019	24	25	26	27	28	29			30			40						41
245	7.35	.034	33	34	35	36	37	38			39			49						50
280	8.40	.060	42	43	44	45	46	47			48			58						59
380	11.40	.136	51	52	53	54	55	56			57				61			60		
400	12.00	.151																		
410	12.30	.158																		
430	12.90	.173	62	63	64	65	66	67			68		73	69		70		71		72
460	13.80	.196																		
500	15.00	.226	74	75	76	77	78	79			80			81			82			83
560	16.80	.271	84		85		86	87			88			89			90			91
625	15.75	.320	92		93		94	95			96			97			98			99
725	21.75	.395	100		101		102	103			104			105			106			107
880	26.40	.512	108		109		110	111			112			113			114			115
980	29.40	.587	116		117		118	119			121			122			123			124
1080	32.40	.662					125	126			127			128						129
1180	35.40	.738					131	132	133		134			136			137			138
1245	37.35	.787			130		140	141			143		135	145			146			
1300	39.00	.828			139		148	149			151		144	153			154			
1375	41.25	.885			147		156	157			159		152	161			162			
1430	42.90	.926			155		164	165			167		160	169			170			
1480	44.40	.964	163								171									
1530 ^a	45.90	1.001								172										
1530 ^b	45.90	1.001																		

^a OMS POD, INSIDE

^b OMS POD, OUTSIDE

a. Orbiter body

Table IV. Pressure Orifice Locations

ORBITER BASE

LOCATION	ORIFICE NUMBERS
ORBITER BASE (INTEGRATED)	1, 2, 3, 4
LEFT MPS NOZZLE BASE	5
UPPER MPS NOZZLE BASE	6
ACPS BASE AREA ON OMS POD	7
OMS NOZZLE BASE	8
OMS POD BASE	9
ORBITER BASE (STING MOUNT)	11, 12, 13, 14
ORBITER STING CAVITY	15, 16

BODY FLAP LWR SURFACE

ORB. STA. ~ X ₀	θ ~ DEG
FULL MODEL	0 40
1580	47.40 175 176

MPS NOZZLE

X ~ IN.	θ ~ DEG				
FWD BASE	0	90	135	180	225
FULL MODEL	0	90	135	180	225
25	0.75	181	183	184	185
50	1.50	187	188	189	190
75	225		193	194	195
					196
					197
					186
					192
					191
					196
					197

OMS NOZZLE

X ~ IN		θ ~ DEG		
FWD BASE				
FULL	MODEL	135	180	225
10	0.30	177	178	179
20	0.60		180	

VERTICAL TAIL

WATER PLANE ~ Z ₀		X/C ~ THEORETICAL VERTICAL CHORD									
FULL	MODEL	7v	0	.05	.15	.30	.52	.65	.775	.90	
525	15.75	.079	400								
550	16.50	.158	L	411	412	413	414	415	416		
			R	511	512	513	514	515	516		
600	18.00	.316	L	421	422	423	424	425	426	427	
			R	521	522	523	524	525	526	527	
690	20.70	.60	L	431	432	433	434	435	436	437	
			R	531	532	533	534	535	536	537	
765	22.95	.84	L	441	442	443	444	445	446	447	
			R	541	542	543	544	545	546	547	
792	23.76	.925	L	451	452	453	454	455	456	457	
			R	551	552	553	554	555	556	557	

b. Orbiter Base, Body Flap Lower Surface, and Vertical Tail

Table IV. Continued.

ORBITER WING

ORBITER B.P. - Y ₀			X/C - THEORETICAL WING CHORD																					
FULL	MODEL	Y	-.49	-.35	-.25	-.15	-.033	0.0	.05	.15	.25	.40	.55	.60	.65	.70	.725	.75	.775	.80	.85	.90	.95	
140	1.20	.299	U L	201 301	202 302	202 302		203 303	204 304				205 305					206 306		207 307	208 308	209 309		
170	5.10	.364	U L		211 311	211 311		212 312																
200	6.00	.427	U L				220	221 321	222 322			223 323	224 324						225 325		226 326	227 327	228 328	229 329
230	7.50	.534	U L					230 330	231 331	232 332	233 333	234 334	235 335				236 336		237 337		238 338	239 339	240 340	
315	9.45	.673	U L					250 350	251 351	252 352	253 353	254 354	255 355			256 356			257 357		258 358		259 359	
365	10.95	.780	U L					260 360	261 361	262 362	263 363			264 364					265 365		266 366		267 367	
415	12.45	.887	U L					270 370	271 371	272 372	273 373	274 374		275 375					276 376			277 377		

U - UPPER SURFACE
L - LOWER SURFACE

U - UPPER SURFACE L - LOWER SURFACE

η	X/C LOCAL WING CHORD
.299	0, .094, .229, .362, .497, .700, .834, .865, .900, .965
.364	0, .086, .246
.427	0, .081, .177, .402, .565, .760, .803, .857, .905, .953
.534	SAME AS THEORETICAL CHORD
.673	
.780	
.887	

c. Orbiter Wing
Table IV. Continued.

EXTERNAL TANK

TANK STA ~ XT			$\theta \sim \text{DEG}$									
FULL	MODEL	XT/LT	0	30	60	90	120	135	150	165	180	270
316.	9.48	0	610			614					619	620
317.7	9.53	.001	611			624	625		627		629	
400	12.00	.045	621	622	623	634	635		637	638	639	
520	15.60	.110	631	632	633	644	645		647	648	649	
640	19.20	.174	641	642	643	654	655		657	658	659	
670	20.10	.191	651	652	653	664	665		667	668	669	
710	21.30	.212	661	662	663	674	675	676	677	678	679	
750	22.50	.234	671	672	673	684	685		687	688	689	
850	25.50	.287	681	682	683	694	695	696	697	698	699	
950	28.50	.341	691	692	693	704	705		707	708	709	
1050	31.50	.395	701	702	703	714	715	716	717		719	
1150	34.50	.449	711	712	713	724	725		727	728	729	
1250	37.50	.503	721	722	723	734	735	736	737		739	
1350	40.50	.557	731	732	733	744	745		747	748	749	
1500	45.00	.637	741	742	743	753	755	756	757		759	
1700	51.00	.745	751	752	753		765	766	767	768		
1900	57.00	.853	761	762	763		775	776	777	778		
2040	61.20	.929	771	772	773	774						
STING CAVITY BASE			601								604	
			602			603						

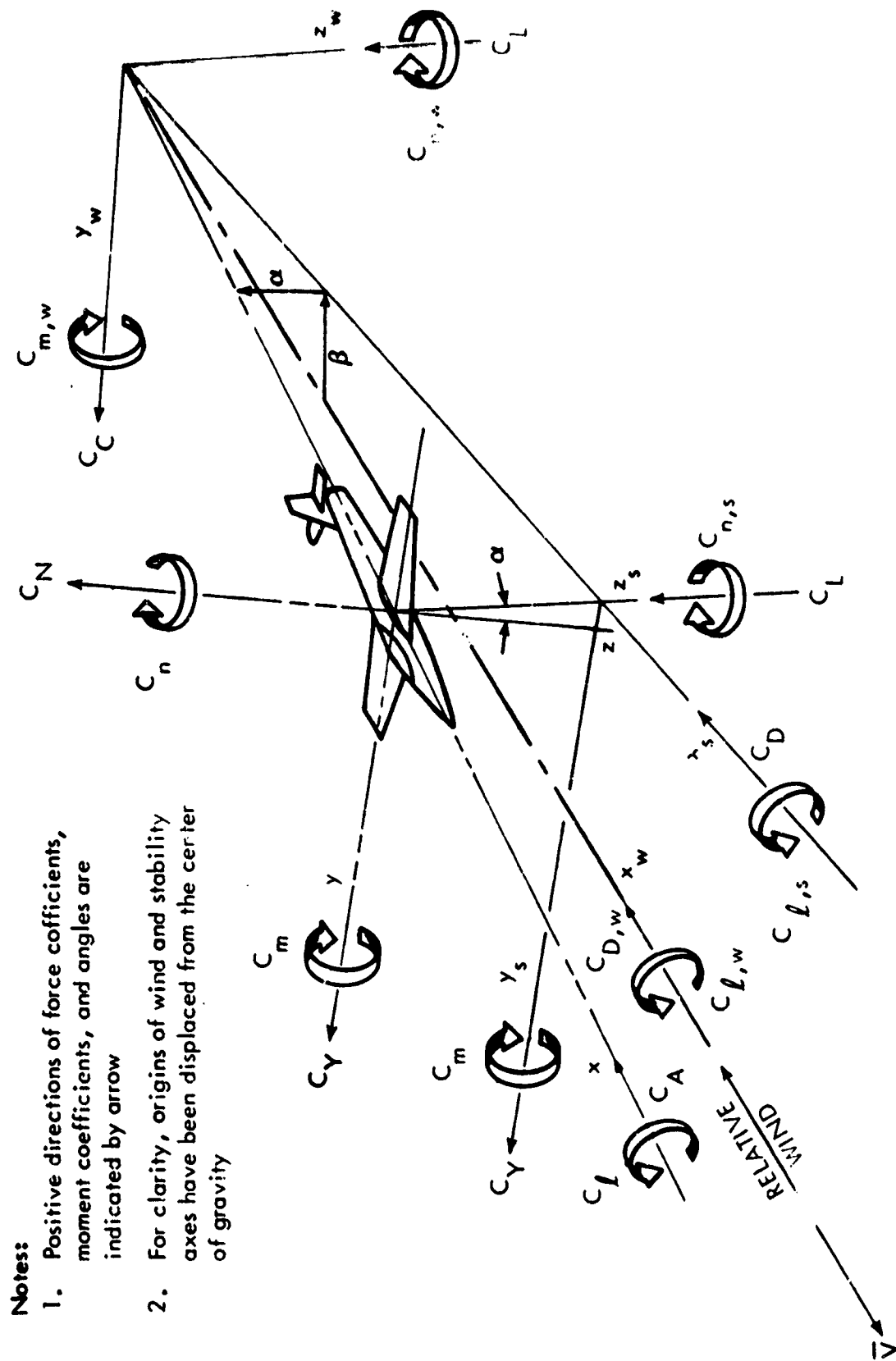
d. External Tank
Table IV. Continued.

LEFT SRM

SRM STATION ~ XS			$\theta \sim \text{DEG}$							
FULL	MODEL	XS/LS	0	45	90	135	180	225	270	315
200	6.00	0	810							
260	7.80	.034	811	812	813	814	815	816	817	818
370	11.10	.097	821	822	823	824	825	826	827	828
400	12.00	.114	831	832	833	834	835	836	837	838
450	13.50	.142	841	842	843	844	845	846	847	848
550	16.50	.199	851	852	853	854	855	856	857	858
700	21.00	.284	861		863		865	866	867	868
850	25.50	.370	871		873		875		877	
1050	31.50	.484	881		883		885			
1250	37.50	.597	891		893		895			
1450	43.50	.711	901		903		905		907	
1650	49.50	.825	911		913		915		917	
1750	52.50	.882	921	922	923	924	925	926	927	928
1790	53.70	.904	931	932	933	934	935	936	937	938
1850	55.50	.939	941	942	943	944	945	946	947	948
1900	57.00	.967	951	952	953	954	955	956	957	958
NOZZLE BASE			801							
SKIRT BASE			802		803		804		805	

e. Left SRM

Table IV. Concluded.

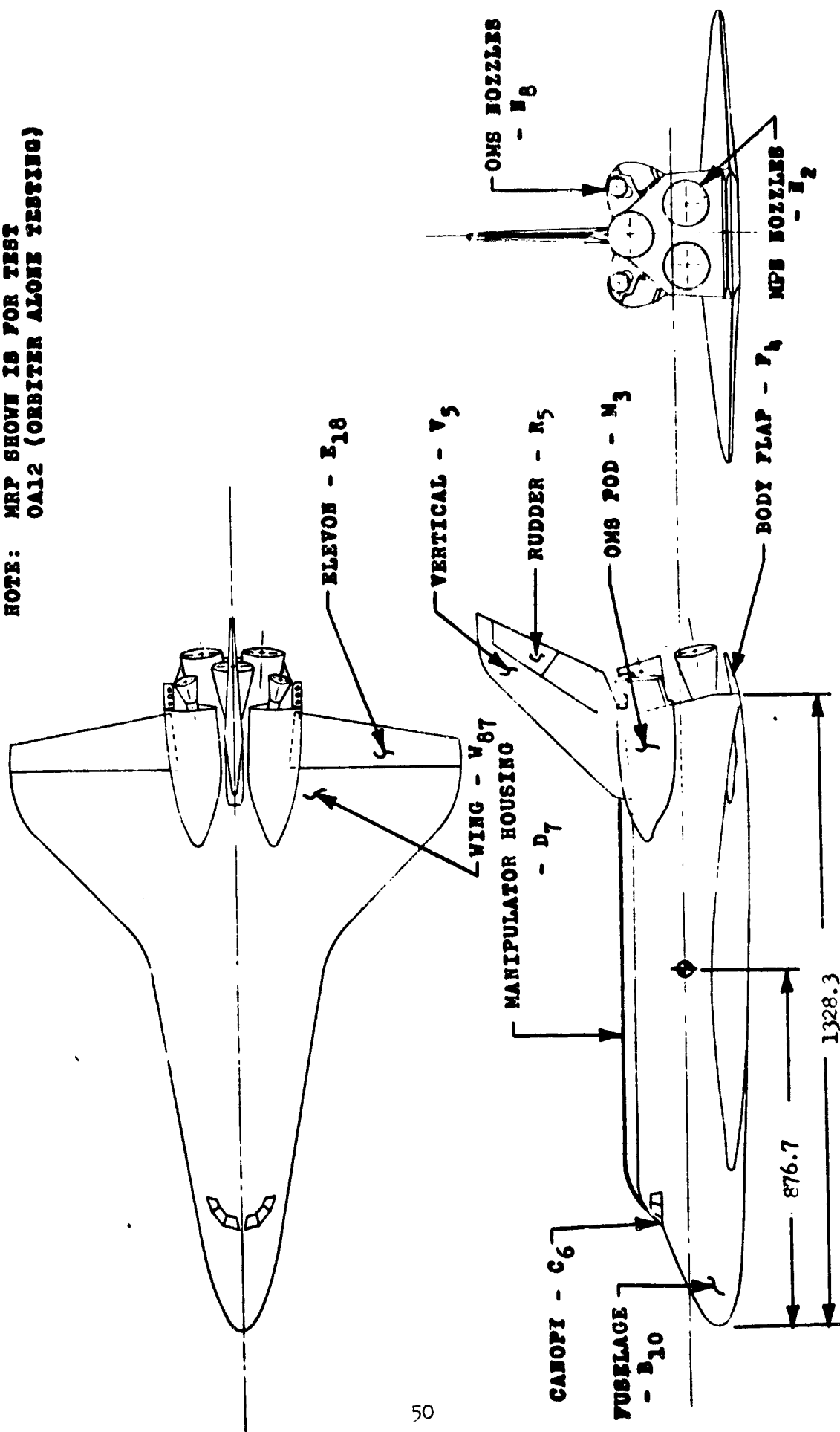


Notes:

1. Positive directions of force coefficients, moment coefficients, and angles are indicated by arrow
2. For clarity, origins of wind and stability axes have been displaced from the center of gravity

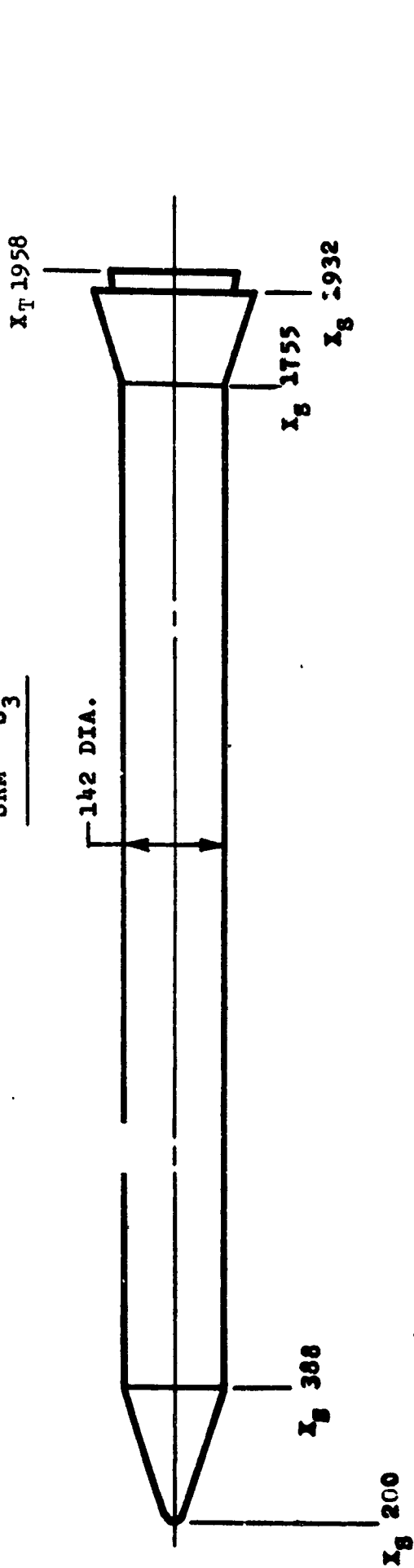
Figure 1. - Axis Systems.

NOTE: MRP SHOWN IS FOR TEST
OAL2 (ORBITER ALONE TESTING)

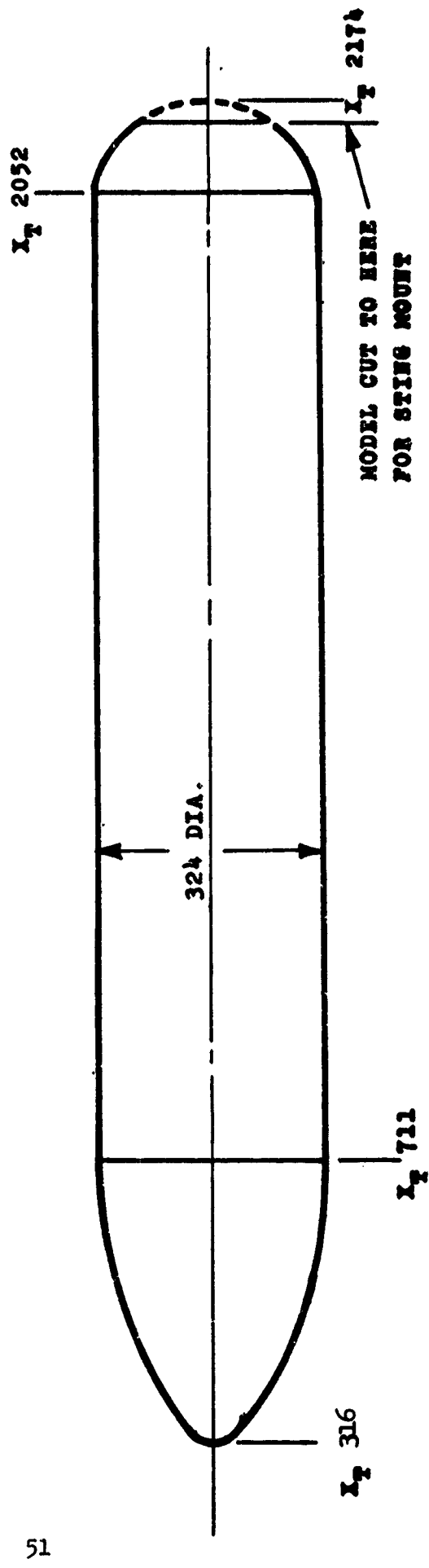


a. Orbiter, O₀₁
Figure 1. - Model Components.

SRM S₃



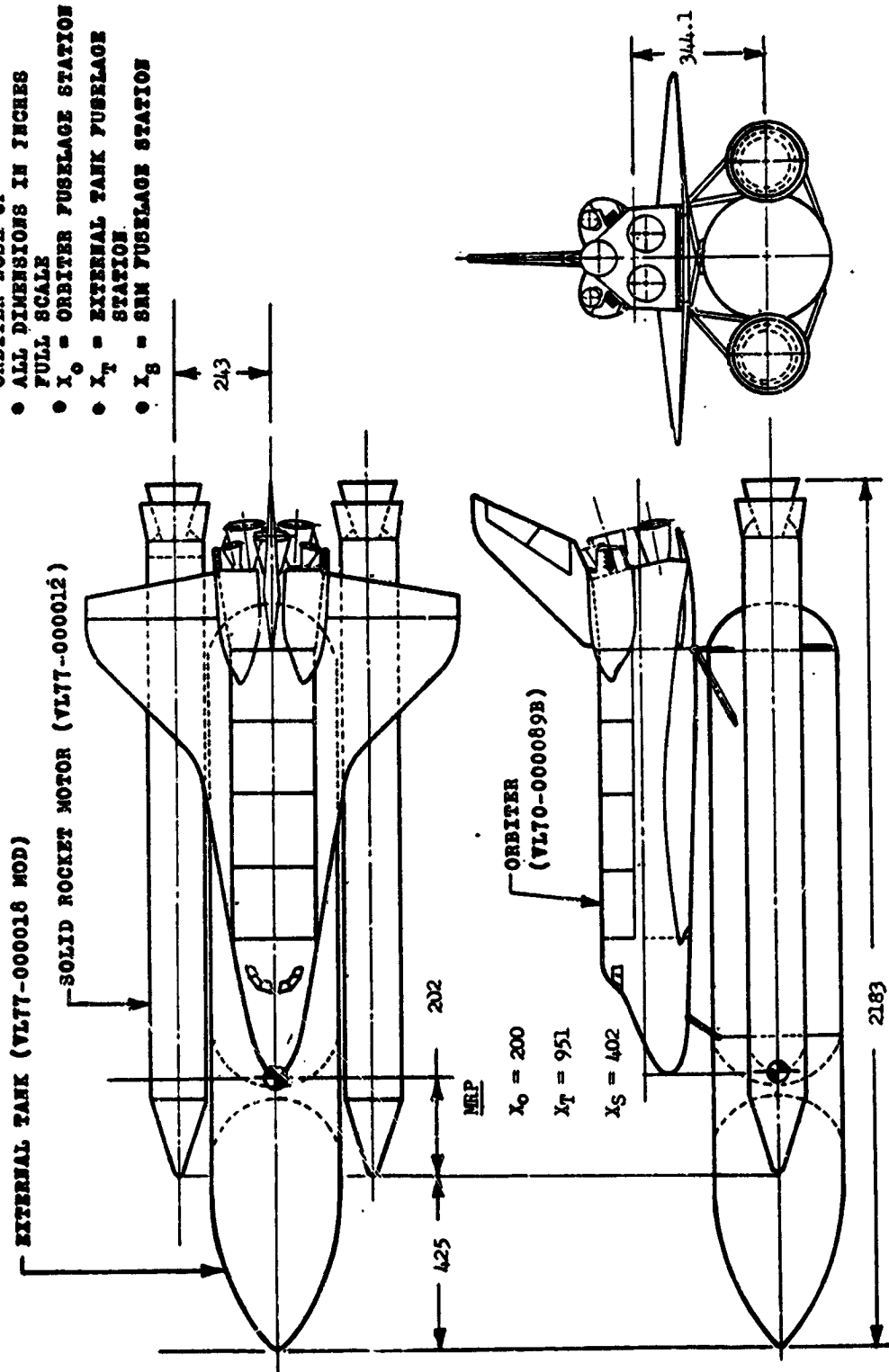
EXTERNAL TANK T₉



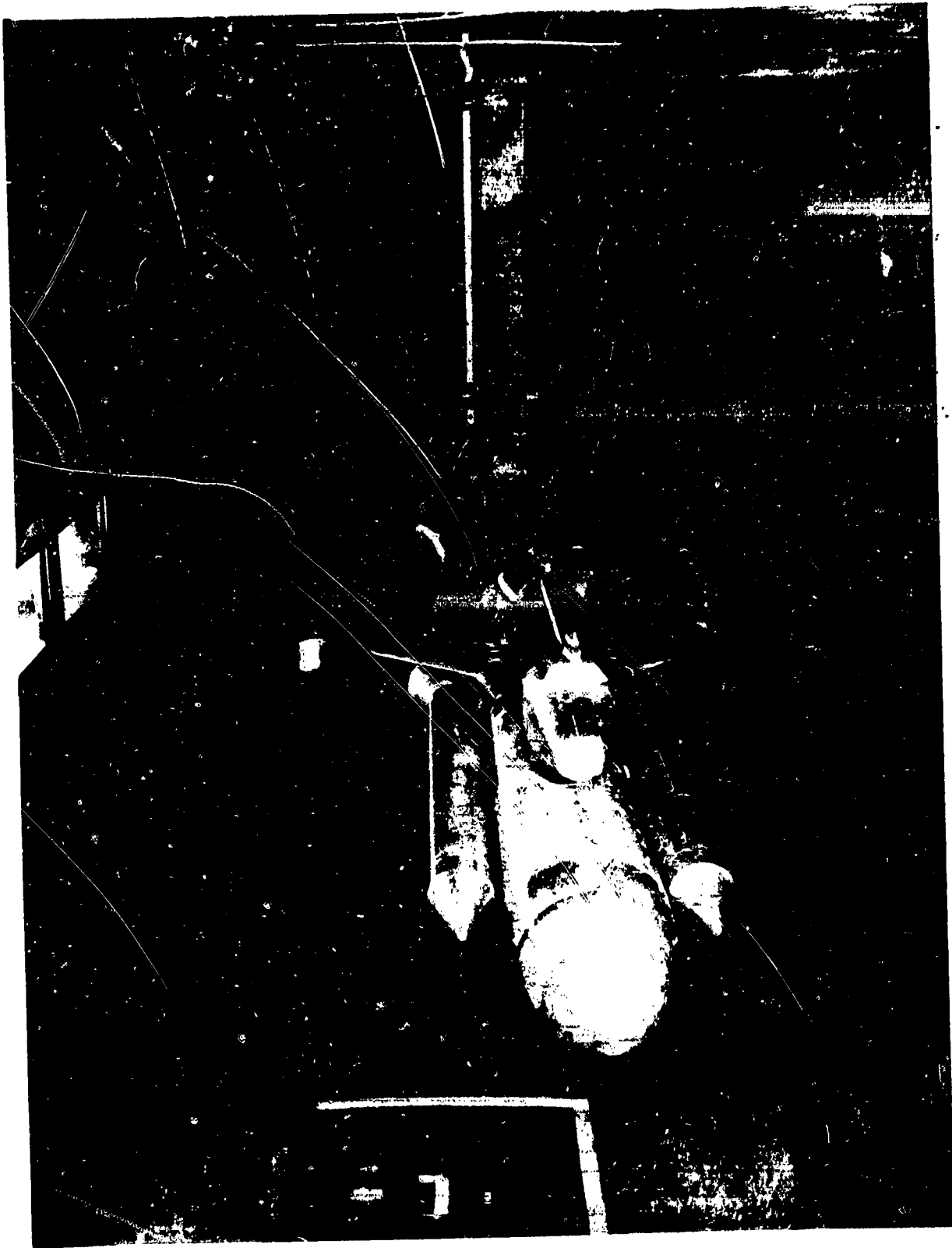
b. SRM, S₃, and External Tank, T₉

Figure 2. - Continued.

- NOTES:**
- ORBITER INCIDENCE ANGLE
RELATIVE TO TANK CL IS 0.5°
 - ORBITER NOSE UP
 - ALL DIMENSIONS IN INCHES
 - FULL SCALE
 - X_0 = ORBITER FUSELAGE STATION
 - X_T = EXTERNAL TANK FUSELAGE
STATION
 - X_S = SRM FUSELAGE STATION



c. Integrated Vehicle
Figure 2. - Concluded.



a. Integrated (Launch) Vehicle Mounted in the ARC 9x7 Ft. Tunnel
Figure 3. - Model Installation Photographs



b. Isolated Orbiter (Entry Configuration) Mounted in the ARC 8x7 Ft. Tunnel

Figure 3. - Concluded.

TABULATED PRESSURE DATA

DATE 30 SEP 75 TABULATED PRESSURE DATA - 1A8A
 AVES 11-707 1A9 02A + S3 + T9 ONS NOZZLE

INCHES (27 APR 75)

PARAMETRIC DATA

BETAT = .000 ORBJNC = 1.500
 RUDDER = .000 ELEVON = .000
 RUFLR = .000

REFERENCE DATA

REF = 2.4210 80. FT. WREF = 28.5300 INCHES
 LREF = 39.6490 INCHES WREF = .0000 INCHES
 BREF = 39.6490 INCHES ZREF = .0000 INCHES
 SCALE = .0000 SCALE

SECTION (1) ONS NOZZLE DEPENDENT VARIABLE CP

MACH (1) = .603 ALPHAT(1) = -8.140	X/LNM	.200	.400
	PHI		
	135.000	-.1980	
	180.000	-.1510	-.2930
	225.000	-.2970	
MACH (1) = .598 ALPHAT(2) = -6.130	X/LNM	.200	.400
	PHI		
	135.000	-.1970	
	180.000	-.1650	-.2880
	225.000	-.2970	
MACH (1) = .597 ALPHAT(3) = -4.100	X/LNM	.200	.400
	PHI		
	135.000	-.2030	
	180.000	-.1750	-.2920
	225.000	-.2970	
MACH (1) = .599 ALPHAT(4) = -2.080	X/LNM	.200	.400
	PHI		
	135.000	-.2170	
	180.000	-.1910	-.2920
	225.000	-.2910	
MACH (1) = .597 ALPHAT(5) = -.060	X/LNM	.200	.400
	PHI		
	135.000	-.2190	
	180.000	-.2020	-.2870
	225.000	-.2860	
MACH (1) = .598 ALPHAT(6) = 1.960	X/LNM	.200	.400
	PHI		
	135.000	-.2130	
	180.000	-.2070	-.2850
	225.000	-.2520	
MACH (1) = .597 ALPHAT(7) = 3.930	X/LNM	.200	.400
	PHI		
	135.000	-.2260	
	180.000	-.2170	-.2780
	225.000	-.2810	

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

AVES 11-707 1A9 O2A + S3 + T9 OMS NOZZLE

(UNMED1)

DEPENDENT VARIABLE CP

SECTION (1) OMS NOZZLE

MACH (1) = .600	ALPHAT(8) = 5.900	X/LNM	.200	.400
		PHI		
		135.000	-.2420	
		160.000	-.2130	-.2650
		225.000	-.2620	
MACH (1) = .599	ALPHAT(9) = 7.950	X/LNM	.200	.400
		PHI		
		135.000	-.2450	
		160.000	-.2110	-.2660
		225.000	-.2660	
MACH (2) = .505	ALPHAT(1) = -6.050	X/LNM	.200	.400
		PHI		
		135.000	-.2500	
		160.000	-.2760	-.3160
		225.000	-.3660	
MACH (2) = .600	ALPHAT(2) = -5.960	X/LNM	.200	.400
		PHI		
		135.000	-.2750	
		160.000	-.2560	-.3140
		225.000	-.3150	
MACH (2) = .600	ALPHAT(3) = -4.000	X/LNM	.200	.400
		PHI		
		135.000	-.2820	
		160.000	-.2430	-.3010
		225.000	-.3010	
MACH (2) = .502	ALPHAT(4) = -1.960	X/LNM	.200	.400
		PHI		
		135.000	-.2640	
		160.000	-.2450	-.3050
		225.000	-.2950	
MACH (2) = .502	ALPHAT(5) = .030	X/LNM	.200	.400
		PHI		
		135.000	-.2610	
		160.000	-.2520	-.3060
		225.000	-.2990	
MACH (2) = .501	ALPHAT(6) = 2.110	X/LNM	.200	.400
		PHI		
		135.000	-.2510	
		160.000	-.2510	-.3020
		225.000	-.3030	

(RSHED01)

DATE 20 SEP 75 TABULATED PRESSURE DATA - 1A9A
 ARES 11-707 1A9 02A + S3 + 19 0MS NOZZLE

DEPENDENT VARIABLE CP

SECTION (1) 0MS NOZZLE

MACH (2) = .099 ALPHAT(7) = 4.030
 X/LNM .200 .400
 PHI
 135.000 -.2540
 180.000 -.2530 -.2970
 225.000 -.3010

MACH (2) = .801 ALPHAT(9) = 6.000
 X/LNM .200 .400
 PHI
 135.000 -.2740
 180.000 -.2640 -.3130
 225.000 -.3160

MACH (2) = .902 ALPHAT(9) = 8.000
 X/LNM .200 .400
 PHI
 135.000 -.2930
 180.000 -.2730 -.3770
 225.000 -.3260

MACH (2) = .901 ALPHAT(10) = 10.000
 X/LNM .200 .400
 PHI
 135.000 -.3060
 180.000 -.2690 -.3360
 225.000 -.3360

MACH (3) = 1.104 ALPHAT(1) = -8.010
 X/LNM .200 .400
 PHI
 135.000 -.2740
 180.000 -.1760 -.3720
 225.000 -.3730

MACH (3) = 1.101 ALPHAT(2) = -5.990
 X/LNM .200 .400
 PHI
 135.000 -.2940
 180.000 -.2230 -.3690
 225.000 -.3590

MACH (3) = 1.104 ALPHAT(3) = -3.980
 X/LNM .200 .400
 PHI
 135.000 -.3000
 180.000 -.2480 -.3590
 225.000 -.3520

MACH (3) = 1.102 ALPHAT(4) = -2.000
 X/LNM .200 .400
 PHI
 135.000 -.3180
 180.000 -.2940 -.3610
 225.000 -.3620

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

(REMED)

AVES 11-707 1A9 OEA + 33 + T9 CMS NOZZLE

SECTION (1) CMS NOZZLE DEPENDENT VARIABLE CP

MACH (3) = 1.102 ALPHAT(5) = .030

X/LNM	.200	.400
PHI		
135.000	-.3330	
160.000	-.3150	-.3710
225.000	-.3690	

MACH (3) = 1.101 ALPHAT(6) = 2.010

X/LNM	.200	.400
PHI		
135.000	-.3400	
160.000	-.3250	-.3660
225.000	-.3750	

MACH (3) = 1.102 ALPHAT(7) = 4.050

X/LNM	.200	.400
PHI		
135.000	-.3520	
160.000	-.3280	-.3700
225.000	-.3720	

MACH (3) = 1.105 ALPHAT(8) = 5.960

X/LNM	.200	.400
PHI		
135.000	-.3530	
160.000	-.3310	-.3710
225.000	-.3780	

MACH (3) = 1.102 ALPHAT(9) = 7.960

X/LNM	.200	.400
PHI		
135.000	-.3360	
160.000	-.2930	-.3680
225.000	-.3600	

MACH (3) = 1.102 ALPHAT(10) = 9.950

X/LNM	.200	.400
PHI		
135.000	-.2520	
160.000	-.2700	-.3660
225.000	-.3960	

MACH (4) = 1.250 ALPHAT(1) = -6.000

X/LNM	.200	.400
PHI		
135.000	-.1040	
160.000	-.1430	-.3110
225.000	-.3450	

MACH (4) = 1.252 ALPHAT(2) = -5.960

X/LNM	.200	.400
PHI		
135.000	-.1230	
160.000	-.1650	-.3150
225.000	-.3280	

(REMOVED)

DATE 20 SEP 75 TABULATED PRESSURE DATA - 1A9A
 AES 11-707 1A9 02A + S3 + T9 OWS NOZZLE

SECTION (1) OWS NOZZLE	DEPENDENT VARIABLE CP
MACH (4) = 1.248 ALPHAT(3) = -4.030	X/LNM .200 .400 PHI 135.000 -.1720 180.000 -.1360 -.3160 225.000 -.3180
MACH (4) = 1.250 ALPHAT(4) = -1.980	X/LNM .200 .400 PHI 135.000 -.1690 180.000 -.1660 -.3240 225.000 -.3270
MACH (4) = 1.248 ALPHAT(5) = .040	X/LNM .200 .400 PHI 135.000 -.2220 180.000 -.2070 -.3250 225.000 -.3240
MACH (4) = 1.247 ALPHAT(6) = 2.030	X/LNM .200 .400 PHI 135.000 -.2470 180.000 -.2330 -.3200 225.000 -.3200
MACH (4) = 1.246 ALPHAT(7) = 4.040	X/LNM .200 .400 PHI 135.000 -.2790 180.000 -.2560 -.3220 225.000 -.3210
MACH (4) = 1.247 ALPHAT(8) = 6.010	X/LNM .200 .400 PHI 135.000 -.2910 180.000 -.2630 -.3260 225.000 -.3250
MACH (4) = 1.247 ALPHAT(9) = 8.010	X/LNM .200 .400 PHI 135.000 -.3020 180.000 -.2510 -.3290 225.000 -.3250
MACH (4) = 1.246 ALPHAT(10) = 9.960	X/LNM .200 .400 PHI 135.000 -.2950 180.000 -.2910 -.3430 225.000 -.3400

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A
AME3 11-707 1A9 02A + S3 + T9 0M5 NOZZLE

(RBMED2) (27 APR 75)

REFERENCE DATA

SRCP = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BRCP = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

BETAT = .000 ORBINC = .500
RUDDER = .000 ELEVON = .000
RUFLR = .000

DEPENDENT VARIABLE CP

SECTION (1)ONS NOZZLE		DEPENDENT VARIABLE CP	
MACH (1) = .598	ALPHAT(1) = -0.020	X/LNM	.200 .400
		PHI	
		135.000	-.2080
		180.000	-.1490
		225.000	-.3080
MACH (1) = .598		ALPHAT(2) = -0.020	
		X/LNM	.200 .400
		PHI	
		135.000	-.2080
		180.000	-.1540
		225.000	-.3000
MACH (1) = .598		ALPHAT(3) = -3.990	
		X/LNM	.200 .400
		PHI	
		135.000	-.2080
		180.000	-.1680
		225.000	-.2920
MACH (1) = .598		ALPHAT(4) = -1.910	
		X/LNM	.200 .400
		PHI	
		135.000	-.2130
		180.000	-.1830
		225.000	-.2850
MACH (1) = .599		ALPHAT(5) = .020	
		X/LNM	.200 .400
		PHI	
		135.000	-.2110
		180.000	-.1910
		225.000	-.2930
MACH (1) = .599		ALPHAT(6) = 2.020	
		X/LNM	.200 .400
		PHI	
		135.000	-.2220
		180.000	-.1960
		225.000	-.2790
MACH (1) = .597		ALPHAT(7) = 4.020	
		X/LNM	.200 .400
		PHI	
		135.000	-.2310
		180.000	-.2120
		225.000	-.2770

(88WE12)

DATE 20 SEP 73 TABULATED PRESSURE DATA - IASA
 APES 11-707 IAS O2A + S3 + T9 OMS NOZZLE

SECTION (1) OMS NOZZLE	DEPENDENT VARIABLE CP			
MACH (1) = .599 ALPHAT(8) = 6.030	X/LNM	.200	.400	
	PHI			
	135.000	-.2490		
	180.000	-.2180	-.2830	
	225.000	-.2620		
MACH (1) = .597 ALPHAT(9) = 8.000	X/LNM	.200	.400	
	PHI			
	135.000	-.2470		
	180.000	-.2020	-.2780	
	225.000	-.2780		
MACH (2) = .903 ALPHAT(1) = -8.000	X/LNM	.200	.400	
	PHI			
	135.000	-.2980		
	180.000	-.2790	-.3190	
	225.000	-.3240		
MACH (2) = .901 ALPHAT(2) = -6.020	X/LNM	.200	.400	
	PHI			
	135.000	-.2890		
	180.000	-.2680	-.3080	
	225.000	-.3190		
MACH (2) = .900 ALPHAT(3) = -4.030	X/LNM	.200	.400	
	PHI			
	135.000	-.2690		
	180.000	-.2530	-.3030	
	225.000	-.3120		
MACH (2) = .896 ALPHAT(4) = -1.990	X/LNM	.200	.400	
	PHI			
	135.000	-.2600		
	180.000	-.2460	-.2960	
	225.000	-.3020		
MACH (2) = .899 ALPHAT(5) = .010	X/LNM	.200	.400	
	PHI			
	135.000	-.2580		
	180.000	-.2480	-.3030	
	225.000	-.3040		
MACH (2) = .896 ALPHAT(6) = 2.040	X/LNM	.200	.400	
	PHI			
	135.000	-.2550		
	180.000	-.2370	-.2980	
	225.000	-.2990		

DATE 25 SEP 73 TABULATED PRESSURE DATA - 1A9A
 AMES 11-707 1A9 CEA + S3 + T9 CWS NOZZLE

(RBME12)

DEPENDENT VARIABLE CP

SECTION (1) CWS NOZZLE

MACH (2) = .903 ALPHAT(7) = 4.040
 X/LNM .200 .400
 PHI
 135.000 -.2480
 180.000 -.2430
 225.000 -.3050

MACH (2) = .897 ALPHAT(8) = 6.030
 X/LNM .200 .400
 PHI
 135.000 -.2580
 180.000 -.2480
 225.000 -.3050

MACH (2) = .900 ALPHAT(9) = 8.000
 X/LNM .200 .400
 PHI
 135.000 -.2740
 180.000 -.2590
 225.000 -.3160

MACH (3) = 1.102 ALPHAT(1) = -8.050
 X/LNM .200 .400
 PHI
 135.000 -.2700
 180.000 -.1680
 225.000 -.3920

MACH (3) = 1.105 ALPHAT(2) = -8.010
 X/LNM .200 .400
 PHI
 135.000 -.2800
 180.000 -.1690
 225.000 -.3750

MACH (3) = 1.102 ALPHAT(3) = -4.000
 X/LNM .200 .400
 PHI
 135.000 -.2900
 180.000 -.2300
 225.000 -.3570

MACH (3) = 1.102 ALPHAT(4) = -1.990
 X/LNM .200 .400
 PHI
 135.000 -.3030
 180.000 -.2610
 225.000 -.3530

MACH (3) = 1.102 ALPHAT(5) = -.030
 X/LNM .200 .400
 PHI
 135.000 -.3240
 180.000 -.2980
 225.000 -.3590

(RBM-52)

DATE 20 SEP 79 TABULATED PRESSURE DATA - 1A9A
 AXES 1:-707 1A9 02A + S3 + T9 OMS NOZZLE

DEPENDENT VARIABLE CP

SECTION (1) OMS NOZZLE

MACH (3) = 1.102 ALPHAT(6) = 1.980 X/LNM .200 .400
 PHI
 135.000 -.3350
 180.000 -.3180 -.3650
 225.000 -.3670

MACH (3) = 1.102 ALPHAT(7) = 3.980 X/LNM .200 .400
 PHI
 135.000 -.3460
 180.000 -.3230 -.3700
 225.000 -.3680

MACH (3) = 1.102 ALPHAT(8) = 5.970 X/LNM .200 .400
 PHI
 135.000 -.3480
 180.000 -.3270 -.3980
 225.000 -.3700

MACH (3) = 1.101 ALPHAT(9) = 7.940 X/LNM .200 .400
 PHI
 135.000 -.3300
 180.000 -.3350 -.3740
 225.000 -.3780

MACH (4) = 1.249 ALPHAT(1) = -8.080 X/LNM .200 .400
 PHI
 135.000 -.0640
 180.000 .0050 -.3220
 225.000 -.3660

MACH (4) = 1.248 ALPHAT(2) = -6.020 X/LNM .200 .400
 PHI
 135.000 -.0840
 180.000 -.0380 -.3120
 225.000 -.3420

MACH (4) = 1.243 ALPHAT(3) = -3.980 X/LNM .200 .400
 PHI
 135.000 -.1390
 180.000 -.1160 -.3180
 225.000 -.3330

MACH (4) = 1.245 ALPHAT(4) = -1.950 X/LNM .200 .400
 PHI
 135.000 -.1850
 180.000 -.1590 -.3230
 225.000 -.3280

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 AXES 11-707 1A9 02A + S3 + T9 ONS NOZZLE

(R0HED02)

SECTION (1) ONS NOZZLE	DEPENDENT VARIABLE CP	
MACH (4) = 1.246 ALPHAT(5) = .040	X/LNH .200 .400	
	PHI	
	135.000 -.2140	
	180.000 -.1950	
	225.000 -.3180	
MACH (4) = 1.244 ALPHAT(6) = 2.030	X/LNH .200 .400	
	PHI	
	135.000 -.2410	
	180.000 -.2900	
	225.000 -.3130	
MACH (4) = 1.245 ALPHAT(7) = 3.970	X/LNH .200 .400	
	PHI	
	135.000 -.2640	
	180.000 -.2390	
	225.000 -.3190	
MACH (4) = 1.245 ALPHAT(8) = 5.960	X/LNH .200 .400	
	PHI	
	135.000 -.2690	
	180.000 -.2580	
	225.000 -.3200	
MACH (4) = 1.247 ALPHAT(9) = 7.960	X/LNH .200 .400	
	PHI	
	135.000 -.2590	
	180.000 -.2540	
	225.000 -.3260	
MACH (5) = 1.401 ALPHAT(1) = -0.050	X/LNH .200 .400	
	PHI	
	135.000 .0460	
	180.000 .2510	
	225.000 -.3340	
MACH (5) = 1.396 ALPHAT(2) = -5.970	X/LNH .200 .400	
	PHI	
	135.000 .0190	
	180.000 .1790	
	225.000 -.3320	
MACH (5) = 1.396 ALPHAT(3) = -9.960	X/LNH .200 .400	
	PHI	
	135.000 .0120	
	180.000 .1030	
	225.000 -.3360	

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 AVES 11-707 1A9 02A + S3 + T9 0MS NOZZLE

(REF-102)

DEPENDENT VARIABLE CP

SECTION (1) 0MS NOZZLE

MACH (5) = 1.396 ALPHAT(4) = -1.990
 X/LNM .200 .400
 PHI
 135.000 -.0040
 180.000 .0590 -.2990
 225.000 -.3310

MACH (5) = 1.396 ALPHAT(5) = .040
 X/LNM .200 .400
 PHI
 135.000 -.0360
 180.000 .0100 -.2650
 225.000 -.3390

MACH (5) = 1.396 ALPHAT(6) = 2.000
 X/LNM .200 .400
 PHI
 135.000 -.0680
 180.000 -.0400 -.2780
 225.000 -.3290

MACH (5) = 1.396 ALPHAT(7) = 3.960
 X/LNM .200 .400
 PHI
 135.000 -.0680
 180.000 -.0460 -.2740
 225.000 -.3320

MACH (5) = 1.396 ALPHAT(8) = 6.000
 X/LNM .200 .400
 PHI
 135.000 -.0680
 180.000 -.0610 -.2680
 225.000 -.3390

MACH (5) = 1.396 ALPHAT(9) = 7.960
 X/LNM .200 .400
 PHI
 135.000 -.1450
 180.000 -.1290 -.2990
 225.000 -.3270

REFERENCE DATA

SREF = 2.4210 INCHES
 LREF = 39.8490 INCHES
 BREF = 39.8490 INCHES
 SCALE = .0300 SCALE

XREF = 28.9300 INCHES
 YREF = .0000 INCHES
 ZREF = .0000 INCHES

DEPENDENT VARIABLE CP

SECTION (1) CWS NOZZLE		DEPENDENT VARIABLE CP	
MACH (1) = .500	BETAT (1) = -0.000	X/LNM	.200 .400
		PHI	
		135.000	.2310
		180.000	-.0780
		225.000	-.2960
MACH (1) = .500	BETAT (2) = -0.000	X/LNM	.200 .400
		PHI	
		135.000	.0780
		180.000	.0170
		225.000	-.3380
MACH (1) = .500	BETAT (3) = -0.000	X/LNM	.200 .400
		PHI	
		135.000	-.0430
		180.000	-.0490
		225.000	-.3190
MACH (1) = .500	BETAT (4) = -0.000	X/LNM	.200 .400
		PHI	
		135.000	-.1540
		180.000	-.0980
		225.000	-.3080
MACH (1) = .500	BETAT (5) = .000	X/LNM	.200 .400
		PHI	
		135.000	-.2030
		180.000	-.1360
		225.000	-.2950
MACH (1) = .500	BETAT (6) = 2.000	X/LNM	.200 .400
		PHI	
		135.000	-.2800
		180.000	-.2010
		225.000	-.2950
MACH (1) = .500	BETAT (7) = 4.000	X/LNM	.200 .400
		PHI	
		135.000	-.2930
		180.000	-.2140
		225.000	-.3130

PARAMETRIC DATA

ALPHAT = -0.000 ORBITAL = .500
 RUDDER = .000 ELEVON = .000
 RUDDLR = .000

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1ASA
 AVES 11-707 1AS OEA + S3 + T9 OMS NOZZLE

(R08ME03)

SECTION (1) OMS NOZZLE		DEPENDENT VARIABLE CP	
MACH (1) = .996 BETAT (6) = 6.140	X/LNM	.200	.400
	PHI		
	135.000	-.2990	
	160.000	-.2160	-.3010
	225.000	-.3010	
MACH (1) = .996 BETAT (6) = 6.160	X/LNM	.200	.400
	PHI		
	135.000	-.3190	
	160.000	-.2530	-.3080
	225.000	-.3060	
MACH (2) = .901 BETAT (1) = -6.140	X/LNM	.200	.400
	PHI		
	135.000	-.0990	
	160.000	-.1610	-.3620
	225.000	-.3060	
MACH (2) = .900 BETAT (2) = -6.100	X/LNM	.200	.400
	PHI		
	135.000	-.2160	
	160.000	-.2160	-.3920
	225.000	-.3470	
MACH (2) = .900 BETAT (3) = -4.000	X/LNM	.200	.400
	PHI		
	135.000	-.2680	
	160.000	-.2460	-.3310
	225.000	-.3270	
MACH (2) = .996 BETAT (4) = -2.020	X/LNM	.200	.400
	PHI		
	135.000	-.2730	
	160.000	-.2520	-.3220
	225.000	-.3310	
MACH (2) = .999 BETAT (5) = 2.000	X/LNM	.200	.400
	PHI		
	135.000	-.3030	
	160.000	-.2640	-.3240
	225.000	-.3360	
MACH (2) = .999 BETAT (6) = 4.140	X/LNM	.200	.400
	PHI		
	135.000	-.3190	
	160.000	-.2910	-.3290
	225.000	-.3410	

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A
 ARES 11-707 1A9 ORA + 23 + 19 OMS NOZZLE

(RDMED3)

SECTION (1) OMS NOZZLE	DEPENDENT VARIABLE CP			
MACH (2) = .801 BETAT (7) = 0.210	X/LNM	.200	.400	
	PHI			
	135.000	-.3470		
	160.000	-.3420	-.3920	
	225.000	-.3650		
MACH (2) = .900 BETAT (6) = 0.270	X/LNM	.200	.400	
	PHI			
	135.000	-.3630		
	160.000	-.3590	-.3680	
	225.000	-.3770		
MACH (3) = 1.102 BETAT (1) = -0.170	X/LNM	.200	.400	
	PHI			
	135.000	.0300		
	160.000	.3090	-.1280	
	225.000	-.9070		
MACH (3) = 1.100 BETAT (2) = -0.180	X/LNM	.200	.400	
	PHI			
	135.000	.3600		
	160.000	.2250	-.2630	
	225.000	-.4330		
MACH (3) = 1.102 BETAT (3) = -4.080	X/LNM	.200	.400	
	PHI			
	135.000	.0820		
	160.000	.0680	-.3270	
	225.000	-.4360		
MACH (3) = 1.100 BETAT (4) = -2.030	X/LNM	.200	.400	
	PHI			
	135.000	-.1120		
	160.000	-.0710	-.3660	
	225.000	-.4070		
MACH (3) = 1.099 BETAT (5) = .080	X/LNM	.200	.400	
	PHI			
	135.000	-.2740		
	160.000	-.1680	-.3820	
	225.000	-.3950		
MACH (3) = 1.101 BETAT (6) = 2.090	X/LNM	.200	.400	
	PHI			
	135.000	-.3370		
	160.000	-.2260	-.3770	
	225.000	-.3780		

(FROM 135)

DATE 20 SEP 73
 TABULATED PRESSURE DATA - 1A9A
 AMES 11-707 1A9 CEA + 33 + 79 OWS NOZZLE

SECTION (1) OWS NOZZLE	DEPENDENT VARIABLE CP			
MACH (3) = 1.000 BETAT (7) = 4.100	X/LJM	.200	.400	
	PHI			
	135.000	-.3680		
	180.000	-.3150	-.3680	
	225.000	-.3910		
MACH (3) = 1.100 BETAT (8) = 6.240	X/LJM	.200	.400	
	PHI			
	135.000	-.3910		
	180.000	-.3620	-.4010	
	225.000	-.4080		
MACH (3) = 1.101 BETAT (9) = 7.000	X/LJM	.200	.400	
	PHI			
	135.000	-.4080		
	180.000	-.3930	-.4080	
	225.000	-.4180		
MACH (4) = 1.248 BETAT (1) = -6.130	X/LJM	.200	.400	
	PHI			
	135.000	.0810		
	180.000	.4910	.3130	
	225.000	-.3470		
MACH (4) = 1.248 BETAT (2) = -6.080	X/LJM	.200	.400	
	PHI			
	135.000	.6090		
	180.000	.5100	.0830	
	225.000	-.3630		
MACH (4) = 1.245 BETAT (3) = -4.090	X/LJM	.200	.400	
	PHI			
	135.000	.5560		
	180.000	.3950	-.1290	
	225.000	-.3910		
MACH (4) = 1.248 BETAT (4) = -2.080	X/LJM	.200	.400	
	PHI			
	135.000	.2130		
	180.000	.2510	-.2220	
	225.000	-.3780		
MACH (4) = 1.247 BETAT (5) = 2.080	X/LJM	.200	.400	
	PHI			
	135.000	-.2370		
	180.000	-.1410	-.3260	
	225.000	-.3590		

(R094ED3)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
AVES 11-707 1A9 CEA + 53 + T9 OMS NOZZLE

SECTION (1) OMS NOZZLE	DEPENDENT VARIABLE CP		
MACH (4) = 1.247 BETAT (6) = 4.140	X/LNM	.200	.400
	PHI		
	135.000	-.2740	
	160.000	-.2240	-.3240
	225.000	-.3270	
MACH (4) = 1.248 BETAT (7) = 6.190	X/LNM	.200	.400
	PHI		
	135.000	-.2960	
	160.000	-.2470	-.3250
	225.000	-.3260	
MACH (4) = 1.251 BETAT (8) = 6.230	X/LNM	.200	.400
	PHI		
	135.000	-.3330	
	160.000	-.2940	-.3350
	225.000	-.3400	

DATE 30 SEP 73 TABULATED PRESSURE DATA - 1A9A
AXES 11-707 1A9 OEA + S3 + T9 OMS NOZZLE

WINDMET4) (20 APR 73)

PARAMETRIC DATA

ALPHAT = -6.000 ORBINC = .900
RUDDER = .000 ELEVON = .000
RUFLR = .700

REFERENCE DATA

SRZF = 2.4210 38.17. WHP = 29.5300 INCHES
LRZF = 39.8490 INCHES WHP = .0000 INCHES
SRZF = 39.8490 INCHES ZWHP = .0000 INCHES
SCALE = .0000 SCALE

DEPENDENT VARIABLE CP

SECTION (1) OMS NOZZLE		X/LJM		PHI	
MACH (1) = .500	BETAT (1) = -0.000	.200	.400	.1130	
		135.000		.0160	-.2750
		180.000		-.3590	
		225.000			
MACH (1) = .507		X/LJM		PHI	
	BETAT (2) = -0.040	.200	.400	.0150	
		135.000		-.0290	-.2650
		180.000		-.3250	
		225.000			
MACH (1) = .500		X/LJM		PHI	
	BETAT (3) = -4.000	.200	.400	-.0610	
		135.000		-.0870	-.2660
		180.000		-.3190	
		225.000			
MACH (1) = .500		X/LJM		PHI	
	BETAT (4) = -2.000	.200	.400	-.1340	
		135.000		-.1120	-.2670
		180.000		-.3050	
		225.000			
MACH (1) = .600		X/LJM		PHI	
	BETAT (5) = .000	.200	.400	-.2040	
		135.000		-.1610	-.2910
		180.000		-.3060	
		225.000			
MACH (1) = .500		X/LJM		PHI	
	BETAT (6) = 2.000	.200	.400	-.2560	
		135.000		-.2150	-.2910
		180.000		-.2980	
		225.000			
MACH (1) = .500		X/LJM		PHI	
	BETAT (7) = 4.000	.200	.400	-.2660	
		135.000		-.2300	-.2910
		180.000		-.2930	
		225.000			

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 AVES 11-707 1A9 OEA + S3 + T9 OMS NOZZLE

(RMEDIA)

SECTION (1) OMS NOZZLE	DEPENDENT VARIABLE CP			
MACH (1) = .600 BETAT (6) = 6.120	X/LNM	.200	.400	
	PHI			
	135.000	-.3030		
	160.000	-.2280	-.3030	
	225.000	-.3040		
MACH (1) = .601 BETAT (9) = 9.160	X/LNM	.200	.400	
	PHI			
	135.000	-.3100		
	160.000	-.2470	-.3130	
	225.000	-.3110		
MACH (2) = .609 BETAT (1) = -6.160	X/LNM	.200	.400	
	PHI			
	135.000	-.1280		
	160.000	-.1670	-.3580	
	225.000	-.3780		
MACH (2) = .607 BETAT (2) = -6.100	X/LNM	.200	.400	
	PHI			
	135.000	-.2080		
	160.000	-.2800	-.3350	
	225.000	-.3940		
MACH (2) = .602 BETAT (3) = -4.070	X/LNM	.200	.400	
	PHI			
	135.000	-.2710		
	160.000	-.2450	-.3380	
	225.000	-.3340		
MACH (2) = .600 BETAT (4) = -2.030	X/LNM	.200	.400	
	PHI			
	135.000	-.2700		
	160.000	-.2510	-.3150	
	225.000	-.3190		
MACH (2) = .602 BETAT (5) = 2.060	X/LNM	.200	.400	
	PHI			
	135.000	-.2130		
	160.000	-.2680	-.3240	
	225.000	-.3310		
MACH (2) = .603 BETAT (6) = 4.140	X/LNM	.200	.400	
	PHI			
	135.000	-.3230		
	160.000	-.3080	-.3430	
	225.000	-.3520		

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 ANES 11-707 1A9 02A + S3 + T9 0MS NOZZLE

(RBMEL4)

SECTION (1) OMS NOZZLE	DEPENDENT VARIABLE CP
MACH (2) = .900 BETAT (7) = 0.190	X/LNM .200 .400 PHI 135.000 -.3410 180.000 -.3310 -.3420 225.000 -.3350
MACH (2) = .898 BETAT (8) = 0.240	X/LNM .200 .400 PHI 135.000 -.3570 180.000 -.3490 -.3650 225.000 -.3750
MACH (3) = 1.100 BETAT (1) = -0.190	X/LNM .200 .400 PHI 135.000 .5270 180.000 .2710 -.2230 225.000 -.4700
MACH (3) = 1.098 BETAT (2) = -0.180	X/LNM .200 .400 PHI 135.000 .1970 180.000 .1240 -.3050 225.000 -.4370
MACH (3) = 1.101 BETAT (3) = -4.080	X/LNM .200 .400 PHI 135.000 -.0100 180.000 .0050 -.3450 225.000 -.4300
MACH (3) = 1.101 BETAT (4) = -2.050	X/LNM .200 .400 PHI 135.000 -.1810 180.000 -.1260 -.3750 225.000 -.4070
MACH (3) = 1.099 BETAT (5) = 2.080	X/LNM .200 .400 PHI 135.000 -.3310 180.000 -.2750 -.3670 225.000 -.3660
MACH (3) = 1.096 BETAT (6) = 4.150	X/LNM .200 .400 PHI 135.000 -.3580 180.000 -.3310 -.3860 225.000 -.3890

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 AVES 11-707 1A9 02A + S3 + T9 OMS NOZZLE

(R08ED4)

SECTION 1108 NOZZLE DEPENDENT VARIABLE CP

MACH (3) = 1.100 BETAT (7) = 0.210	X/LNM	.200	.400
	PHI		
	135.000	-.3940	
	160.000	-.5820	-.3970
	225.000	-.4060	
MACH (3) = 1.000 BETAT (8) = 0.250	X/LNM	.200	.400
	PHI		
	135.000	-.4070	
	160.000	-.3690	-.4040
	225.000	-.4120	
MACH (4) = 1.800 BETAT (1) = -0.140	X/LNM	.200	.400
	PHI		
	135.000	.0130	
	160.000	.4760	.1650
	225.000	-.3710	
MACH (4) = 1.800 BETAT (2) = -0.100	X/LNM	.200	.400
	PHI		
	135.000	.7240	
	160.000	.4520	-.0140
	225.000	-.3640	
MACH (4) = 1.800 BETAT (3) = -4.080	X/LNM	.200	.400
	PHI		
	135.000	.4330	
	160.000	.3220	-.1510
	225.000	-.3660	
MACH (4) = 1.207 BETAT (4) = -2.020	X/LNM	.200	.400
	PHI		
	135.000	.1440	
	160.000	.1740	-.2560
	225.000	-.3660	
MACH (4) = 1.205 BETAT (5) = 2.070	X/LNM	.200	.400
	PHI		
	135.000	-.2450	
	160.000	-.1680	-.3220
	225.000	-.3110	
MACH (4) = 1.205 BETAT (6) = 4.120	X/LNM	.200	.400
	PHI		
	135.000	-.2840	
	160.000	-.2440	-.3280
	225.000	-.3290	

(R08M214)

DATE 20 SEP 75 TABULATED PRESSURE DATA - 1A9A
 AXES 11-707 1A9 ORA + S3 + T9 OMS NOZZLE

SECTION (1) OMS NOZZLE DEPENDENT VARIABLE CP

MACH (4) = 1.243 BETAT (7) = 0.170	X/LAM	.200	.400
	PHI		
	135.000	-.3090	
	160.000	-.2570	-.3260
	225.000	-.3320	
MACH (4) = 1.245 BETAT (8) = 0.210	X/LAM	.200	.400
	PHI		
	135.000	-.3230	
	160.000	-.2960	-.3260
	225.000	-.3250	

DATE 20 SEP 73

TABULATED PRESSURE DATA - IASA
 ANES 11-707 IAS OCA + 33 + T9 OMS NOZZLE

(RBMEDS) (20 APR 73)

PARAMETRIC DATA

ALPHAT = -4.000 ORBINC = .550
 RUDDER = .000 ELEVON = .000
 RUOFLR = .000

REFERENCE DATA

SRP = 2.4210 SQ.FT. XAPP = 20.5300 INCHES
 LREF = 39.8490 INCHES YREF = .0000 INCHES
 BRP = 39.8490 INCHES ZREF = .0000 INCHES
 SCALE = .0300 SCALE

SECTION (1) OMS NOZZLE DEPENDENT VARIABLE CP

MACH (1) = .600 BETAT (1) = .020 X/LNM .200 .400
 PHI
 135.000 -.2100
 180.000 -.1710 -.2930
 225.000 -.2500

MACH (1) = .660 BETAT (2) = 4.080 X/LNM .200 .400
 PHI
 135.000 -.2630
 180.000 -.2350 -.2970
 225.000 -.2970

MACH (1) = .660 BETAT (3) = 6.120 X/LNM .200 .400
 PHI
 135.000 -.2960
 180.000 -.2310 -.3080
 225.000 -.3140

MACH (1) = .660 BETAT (4) = 8.150 X/LNM .200 .400
 PHI
 135.000 -.3020
 180.000 -.2410 -.3130
 225.000 -.3120

MACH (2) = .900 BETAT (1) = -6.170 X/LNM .200 .400
 PHI
 135.000 -.1900
 180.000 -.2040 -.3520
 225.000 -.3700

MACH (2) = .901 BETAT (2) = -6.110 X/LNM .200 .400
 PHI
 135.000 -.2080
 180.000 -.2230 -.3310
 225.000 -.3340

MACH (2) = .902 BETAT (3) = -4.070 X/LNM .200 .400
 PHI
 135.000 -.2520
 180.000 -.2420 -.3160
 225.000 -.3150

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A

AVES 11-707 1A9 O2A + S3 + T9 OMS NOZZLE

(RBMEUS)

SECTION (1) OMS NOZZLE DEPENDENT VARIABLE CP

MACH (2) = .901	BETAT (4) = -2.030	X/LNM	PHI	.200	.400
		135.000		-.2550	
		180.000		-.2410	-.3100
		225.000		-.3070	
MACH (2) = .903	BETAT (5) = 2.070	X/LNM	PHI	.200	.400
		135.000		-.2970	
		180.000		-.2820	-.3180
		225.000		-.3250	
MACH (2) = .900	BETAT (6) = 4.120	X/LNM	PHI	.200	.400
		135.000		-.3000	
		180.000		-.2790	-.3320
		225.000		-.3330	
MACH (2) = .904	BETAT (7) = 6.170	X/LNM	PHI	.200	.400
		135.000		-.3300	
		180.000		-.3250	-.3480
		225.000		-.3500	
MACH (2) = .899	BETAT (8) = 8.230	X/LNM	PHI	.200	.400
		135.000		-.3490	
		180.000		-.3310	-.3670
		225.000		-.3550	
MACH (3) = 1.100	BETAT (1) = -8.800	X/LNM	PHI	.200	.400
		135.000		.3010	
		180.000		.1570	-.2670
		225.000		-.4430	
MACH (3) = 1.097	BETAT (2) = -6.130	X/LNM	PHI	.200	.400
		135.000		.0590	
		180.000		.0230	-.3280
		225.000		-.4220	
MACH (3) = 1.101	BETAT (3) = -4.080	X/LNM	PHI	.200	.400
		135.000		-.0910	
		180.000		-.0830	-.3310
		225.000		-.4110	

DATE 23 SEP 73
 TABULATED PRESSURE DATA - 1A9A
 AMES 11-707 1A9 OEA + S3 + T9 OMS NOZZLE

(RBMEDS)

SECTION (1) OMS NOZZLE	DEPENDENT VARIABLE CP	
MACH (3) = 1.099 BETAT (4) = -2.030	X/LNM .200 .400	
	PHI	
	135.000	-.2040
	180.000	-.1570
	225.000	-.3950
MACH (3) = 1.101 BETAT (5) = 2.080	X/LNM .200 .400	
	PHI	
	135.000	-.3390
	180.000	-.3070
	225.000	-.3710
MACH (3) = 1.102 BETAT (6) = 4.140	X/LNM .200 .400	
	PHI	
	135.000	-.3680
	180.000	-.3460
	225.000	-.3940
MACH (3) = 1.100 BETAT (7) = 6.200	X/LNM .200 .400	
	PHI	
	135.000	-.3680
	180.000	-.3720
	225.000	-.4000
MACH (3) = 1.100 BETAT (8) = 8.270	X/LNM .200 .400	
	PHI	
	135.000	-.3930
	180.000	-.3780
	225.000	-.4010
MACH (4) = 1.245 BETAT (1) = -6.150	X/LNM .200 .400	
	PHI	
	135.000	.7380
	180.000	.4460
	225.000	-.3750
MACH (4) = 1.245 BETAT (2) = -6.110	X/LNM .200 .400	
	PHI	
	135.000	.6230
	180.000	.3950
	225.000	-.3830
MACH (4) = 1.245 BETAT (3) = -4.080	X/LNM .200 .400	
	PHI	
	135.000	.3240
	180.000	.2410
	225.000	-.3540

(RBMETIS)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1ASA
AMES 11-707 1A9 O2A + S3 + T9 GMS NOZZLE

SECTION (1) GMS NOZZLE	DEPENDENT VARIABLE CP	
MACH (4) = 1.246 BETAT (4) = -2.020	X/LNM .200 .400	
	PHI	
	135.000 .0730	
	160.000 .0690	
	225.000 -.3610	
MACH (4) = 1.243 BETAT (5) = 2.060	X/LNM .200 .400	
	PHI	
	135.000 -.2490	
	160.000 -.2150	
	225.000 -.3020	
MACH (4) = 1.241 BETAT (6) = 4.120	X/LNM .200 .400	
	PHI	
	135.000 -.2700	
	160.000 -.2470	
	225.000 -.3140	
MACH (4) = 1.244 BETAT (7) = 6.180	X/LNM .200 .400	
	PHI	
	135.000 -.3080	
	160.000 -.2670	
	225.000 -.3290	
MACH (4) = 1.247 BETAT (8) = 8.210	X/LNM .200 .400	
	PHI	
	135.000 -.3250	
	160.000 -.3000	
	225.000 -.3290	

(RBMED6) (28 APR 73)

AVES 11-707 1A9 OCA + S3 + T9 OMS NOZZLE

REFERENCE DATA

SMD* = 2.4210 80.FT. XMRP = 28.5300 INCHES
 LMRP = 39.8490 INCHES YMRP = .0000 INCHES
 BMRP = 39.8490 INCHES ZMRP = .0000 INCHES
 SCALE = .0300 SCALE

SECTION (1) OMS NOZZLE DEPENDENT VARIABLE CP

MACH (1) = .599	BETAT (1) = -0.080	X/LMN	PHI
		.200	.400
		135.000	-.0800
		180.000	-.0990
		225.000	-.3300
MACH (1) = .599	BETAT (2) = -0.080	X/LMN	PHI
		.200	.400
		135.000	-.0800
		180.000	-.0970
		225.000	-.3090
MACH (1) = .599	BETAT (3) = -0.040	X/LMN	PHI
		.200	.400
		135.000	-.1350
		180.000	-.1310
		225.000	-.3030
MACH (1) = .600	BETAT (4) = -0.000	X/LMN	PHI
		.200	.400
		135.000	-.1720
		180.000	-.1490
		225.000	-.3010
MACH (1) = .600	BETAT (5) = .000	X/LMN	PHI
		.200	.400
		135.000	-.2140
		180.000	-.1850
		225.000	-.2990
MACH (1) = .601	BETAT (6) = 2.090	X/LMN	PHI
		.200	.400
		135.000	-.2540
		180.000	-.2240
		225.000	-.2910
MACH (1) = .601	BETAT (7) = 4.080	X/LMN	PHI
		.200	.400
		135.000	-.2760
		180.000	-.2340
		225.000	-.2960

PARAMETRIC DATA

ALPHAT = -2.000 ORBINC = .500
 RUDDER = .000 ELEVON = .000
 RUFLR = .000

DATE 20 SEP 73 TABULATED PRESSURE DATA - IASA
A1C3 11-707 1A9 CEA + S3 + T9 CWS NOZZLE

(00000000)

SECTION (1) CWS NOZZLE

MACH (1) = .295 BETAT (0) = 6.110
X/LNH .200 .400
PHI
135.000 -.2870
160.000 -.2560 -.3030
225.000 -.3060

MACH (1) = .600 BETAT (9) = 6.140
X/LNH .200 .400
PHI
135.000 -.3070
160.000 -.2960 -.3160
225.000 -.3160

MACH (2) = .804 BETAT (1) = -0.180
X/LNH .200 .400
PHI
135.000 -.1680
160.000 -.2040 -.3420
225.000 -.3660

MACH (2) = .808 BETAT (2) = -0.130
X/LNH .200 .400
PHI
135.000 -.2130
160.000 -.2170 -.3220
225.000 -.3160

MACH (2) = .972 BETAT (3) = -0.070
X/LNH .200 .400
PHI
135.000 -.2340
160.000 -.2250 -.3130
225.000 -.3140

MACH (2) = .908 BETAT (4) = -2.000
X/LNH .200 .400
PHI
135.000 -.2640
160.000 -.2550 -.3050
225.000 -.3020

MACH (2) = .900 BETAT (5) = 2.000
X/LNH .200 .400
PHI
135.000 -.2830
160.000 -.2630 -.3030
225.000 -.3060

MACH (2) = .903 BETAT (6) = 4.130
X/LNH .200 .400
PHI
135.000 -.2950
160.000 -.2620 -.3250
225.000 -.3300

(RBM616)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 AMES 11-707 1A9 02A + S3 + T9 OMS NOZZLE

SECTION (1) OMS NOZZLE DEPENDENT VARIABLE CP

MACH (2) = .907 BETAT (7) = 0.100
 X/LNM .200 .400
 PHI
 135.000 -.3210
 160.000 -.3210
 225.000 -.3450

MACH (2) = .904 BETAT (6) = 0.200
 X/LNM .200 .400
 PHI
 135.000 -.3330
 160.000 -.3210
 225.000 -.3550

MACH (3) = 1.000 BETAT (5) = -0.210
 X/LNM .200 .400
 PHI
 135.000 .1770
 160.000 .0780
 225.000 -.4330

MACH (3) = 1.100 BETAT (2) = -0.140
 X/LNM .200 .400
 PHI
 135.000 -.0090
 160.000 -.0360
 225.000 -.4150

MACH (3) = 1.100 BETAT (3) = -0.080
 X/LNM .200 .400
 PHI
 135.000 -.1680
 160.000 -.1260
 225.000 -.4030

MACH (3) = 1.000 BETAT (4) = -2.030
 X/LNM .200 .400
 PHI
 135.000 -.2410
 160.000 -.2160
 225.000 -.3610

MACH (3) = 1.100 BETAT (5) = 2.160
 X/LNM .200 .400
 PHI
 135.000 -.3330
 160.000 -.3190
 225.000 -.3710

MACH (3) = 1.100 BETAT (6) = 4.130
 X/LNM .200 .400
 PHI
 135.000 -.3670
 160.000 -.3540
 225.000 -.3640

(R0M0E06)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A8A
 APES 11-707 1A9 02A + S3 + T9 0MS NOZZLE

SECTION (1) OMS NOZZLE DEPENDENT VARIABLE CP

MACH (3) = 1.100 BETAT (7) = 0.190

X/LNM	.200	.400
PHI		
135.000	-.3760	
160.000	-.3710	-.3640
225.000	-.3660	

MACH (3) = 1.100 BETAT (6) = 0.260

X/LNM	.200	.400
PHI		
135.000	-.3660	
160.000	-.3750	-.3660
225.000	-.4010	

MACH (4) = 1.240 BETAT (1) = -0.160

X/LNM	.200	.400
PHI		
135.000	.0270	
160.000	.4150	.0190
225.000	-.3770	

MACH (4) = 1.240 BETAT (2) = -0.110

X/LNM	.200	.400
PHI		
135.000	.0390	
160.000	.3360	-.0800
225.000	-.3620	

MACH (4) = 1.240 BETAT (3) = -0.070

X/LNM	.200	.400
PHI		
135.000	.2210	
160.000	.1700	-.1980
225.000	-.3630	

MACH (4) = 1.240 BETAT (4) = -0.030

X/LNM	.200	.400
PHI		
135.000	.0470	
160.000	.0190	-.2750
225.000	-.3530	

MACH (4) = 1.240 BETAT (5) = 2.070

X/LNM	.200	.400
PHI		
135.000	-.2600	
160.000	-.2420	-.3130
225.000	-.3120	

MACH (4) = 1.240 BETAT (6) = 4.110

X/LNM	.200	.400
PHI		
135.000	-.2790	
160.000	-.2990	-.3160
225.000	-.3150	

(R0M0D6)

DATE 20 SEP 75 TABULATED PRESSURE DATA - 1A9A
 AMES 11-707 1A9 OEA + S3 + T9 OMS NOZZLE

SECTION (1) OMS NOZZLE DEPENDENT VARIABLE CP

MACH (4) = 1.248	BETA7 (7) = 6.180	X/LNH	.200	.400
		PHI		
		135.000	-.3070	
		160.000	-.2780	-.3830
		225.000	-.3270	
MACH (4) = 1.348	BETA7 (8) = 5.800	X/LNH	.200	.400
		PHI		
		135.000	-.3280	
		160.000	-.3010	-.3330
		225.000	-.3360	

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 ANES 11-707 1A9 OEA + 33 + 79 OMS NOZZLE

(RSMED7) (20 APR 75)

PARAMETRIC DATA

ALPHAT = .000 ORBINC = .900
 RUDDER = .000 ELEVON = .000
 RUDFLR = .000

REFERENCE DATA

SWEP = 2.4210 DEG. ZWEP = 20.5300 INCHES
 LWEP = 30.8490 INCHES YWEP = .0000 INCHES
 SWEP = 30.8490 INCHES ZWEP = .0000 INCHES
 SCALE = .0300 SCALE

DEPENDENT VARIABLE CP

SECTION (1) OMS NOZZLE	MACH (1) = .997	BETAT (1) = -0.100	X/LNM	PHI	CP
			135.000	-.0760	.400
			160.000	-.1820	-.2060
			225.000	-.3340	
MACH (1) = .996	BETAT (2) = -0.060	X/LNM	PHI	CP	
		135.000	-.1120	.400	
		160.000	-.1400	-.2060	
		225.000	-.3120		
MACH (1) = .998	BETAT (3) = -0.050	X/LNM	PHI	CP	
		135.000	-.1080	.400	
		160.000	-.1330	-.2060	
		225.000	-.3060		
MACH (1) = .998	BETAT (4) = -2.000	X/LNM	PHI	CP	
		135.000	-.1697	.400	
		160.000	-.1630	-.2060	
		225.000	-.2960		
MACH (1) = .997	BETAT (5) = .000	X/LNM	PHI	CP	
		135.000	-.2190	.400	
		160.000	-.1690	-.2040	
		225.000	-.2690		
MACH (1) = .997	BETAT (6) = 2.000	X/LNM	PHI	CP	
		135.000	-.2410	.400	
		160.000	-.2190	-.2050	
		225.000	-.2660		
MACH (1) = .999	BETAT (7) = 4.000	X/LNM	PHI	CP	
		135.000	-.2680	.400	
		160.000	-.2400	-.2090	
		225.000	-.3050		

(R04M2D7)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 AMES 11-707 IAS 02A + S3 + T9 CMS NOZZLE

SECTION (1) CMS NOZZLE	DEPENDENT VARIABLE CP			
MACH (1) = .597 BETAT (8) = 6.110	X/LNM	.200	.400	
	PHI			
	135.000	-.2930		
	180.000	-.7580	-.3110	
	225.000	-.3110		
MACH (1) = .597 BETAT (9) = 9.140	X/LNM	.200	.400	
	PHI			
	135.000	-.3010		
	180.000	-.2070	-.3210	
	225.000	-.3130		
MACH (2) = .600 BETAT (1) = -9.180	X/LNM	.200	.400	
	PHI			
	135.000	-.1730		
	180.000	-.2540	-.3380	
	225.000	-.3670		
MACH (2) = .600 BETAT (2) = -9.140	X/LNM	.200	.400	
	PHI			
	135.000	-.2180		
	180.000	-.2270	-.3290	
	225.000	-.3410		
MACH (2) = .600 BETAT (3) = -4.080	X/LNM	.200	.400	
	PHI			
	135.000	-.2450		
	180.000	-.2380	-.3190	
	225.000	-.3140		
MACH (2) = .601 BETAT (4) = -2.000	X/LNM	.200	.400	
	PHI			
	135.000	-.2490		
	180.000	-.2480	-.3010	
	225.000	-.3030		
MACH (2) = .603 BETAT (5) = .080	X/LNM	.200	.400	
	PHI			
	135.000	-.2620		
	180.000	-.2470	-.2960	
	225.000	-.3060		
MACH (2) = .603 BETAT (6) = 2.070	X/LNM	.200	.400	
	PHI			
	135.000	-.2690		
	180.000	-.2610	-.3050	
	225.000	-.3140		

(R04E07)

DATE 20 SEP 75 TABULATED PRESSURE DATA - 1A9A
 AMES 11-707 1A9 OEA + S3 + T9 OMS NOZZLE

SECTION (1) OMS NOZZLE

DEPENDENT VARIABLE CP

MACH (2) = .508 BETAT (7) = 4.120
 X/LJNH .200 .400
 PHI
 135.000 -.2910
 160.000 -.2600
 225.000 -.3210

MACH (2) = .501 BETAT (8) = 6.180
 X/LJNH .200 .400
 PHI
 135.000 -.2900
 160.000 -.2500
 225.000 -.3310

MACH (2) = .501 BETAT (9) = 8.220
 X/LJNH .200 .400
 PHI
 135.000 -.3370
 160.000 -.3170
 225.000 -.3550

MACH (3) = 1.100 BETAT (1) = -8.210
 X/LJNH .200 .400
 PHI
 135.000 .1480
 160.000 .0480
 225.000 -.4580

MACH (3) = 1.089 BETAT (2) = -8.140
 X/LJNH .200 .400
 PHI
 135.000 -.0470
 160.000 -.0820
 225.000 -.4130

MACH (3) = 1.088 BETAT (3) = -4.080
 X/LJNH .200 .400
 PHI
 135.000 -.1680
 160.000 -.1610
 225.000 -.4070

MACH (3) = 1.101 BETAT (4) = -2.030
 X/LJNH .200 .400
 PHI
 135.000 -.2330
 160.000 -.2310
 225.000 -.3710

MACH (3) = 1.089 BETAT (5) = 2.070
 X/LJNH .200 .400
 PHI
 135.000 -.3360
 160.000 -.3310
 225.000 -.3700

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1ASA
AMES 11-707 1A9 O2A + S3 + T9 OMS NOZZLE

(RMED7)

SECTION (1) OMS NOZZLE

DEPENDENT VARIABLE CP

MACH (3) = 1.100 BETAT (6) = 4.140

X/LNM	.200	.400
PHI		
135.000	-.3600	
160.000	-.3630	-.3760
225.000	-.3930	

MACH (3) = 1.101 BETAT (7) = 6.200

X/LNM	.200	.400
PHI		
135.000	-.3760	
160.000	-.3750	-.3680
225.000	-.3960	

MACH (3) = 1.101 BETAT (8) = 8.250

X/LNM	.200	.400
PHI		
135.000	-.3940	
160.000	-.3620	-.4060
225.000	-.4590	

MACH (4) = 1.248 BETAT (1) = -6.160

X/LNM	.200	.400
PHI		
135.000	.5550	
160.000	.3630	-.0190
225.000	-.3790	

MACH (4) = 1.248 BETAT (2) = -6.110

X/LNM	.200	.400
PHI		
135.000	.4210	
160.000	.2760	-.1270
225.000	-.3760	

MACH (4) = 1.248 BETAT (3) = -4.060

X/LNM	.200	.400
PHI		
135.000	.1190	
160.000	.0930	-.2250
225.000	-.3560	

MACH (4) = 1.247 BETAT (4) = -2.030

X/LNM	.200	.400
PHI		
135.000	-.0500	
160.000	-.0400	-.2830
225.000	-.3360	

MACH (4) = 1.247 BETAT (5) = 2.060

X/LNM	.200	.400
PHI		
135.000	-.2580	
160.000	-.2440	-.3060
225.000	-.3020	

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 AVES 11-707 1A9 O2A + S3 + T9 OMS NOZZLE

(REMOVED)

SECTION (1) OMS NOZZLE DEPENDENT VARIABLE CP

MACH (4) = 1.245	BETAT (6) = 4.100	X/LNM	.200	.400
		PHI		
		135.000	-.2760	
		180.000	-.2920	-.3190
		225.000	-.3190	
MACH (4) = 1.246	BETAT (7) = 6.150	X/LNM	.200	.400
		PHI		
		135.000	-.3090	
		180.000	-.2960	-.3220
		225.000	-.3270	
MACH (4) = 1.247	BETAT (8) = 8.180	X/LNM	.200	.400
		PHI		
		135.000	-.3280	
		180.000	-.3080	-.3390
		225.000	-.3370	
MACH (5) = 1.395	BETAT (1) = -6.180	X/LNM	.200	.400
		PHI		
		135.000	.3290	
		180.000	.4430	.4280
		225.000	-.2270	
MACH (5) = 1.395	BETAT (2) = -6.120	X/LNM	.200	.400
		PHI		
		135.000	.5110	
		180.000	.4400	.1510
		225.000	-.2070	
MACH (5) = 1.397	BETAT (3) = -4.080	X/LNM	.200	.400
		PHI		
		135.000	.4440	
		180.000	.3280	-.0470
		225.000	-.3280	
MACH (5) = 1.398	BETAT (4) = .080	X/LNM	.200	.400
		PHI		
		135.000	-.0220	
		180.000	.0290	-.2580
		225.000	-.3340	
MACH (5) = 1.394	BETAT (5) = 4.110	X/LNM	.200	.400
		PHI		
		135.000	-.2640	
		180.000	-.1840	-.3030
		225.000	-.3140	

DATE 20 SEP 79 TABULATED PRESSURE DATA - 1A9A

(RBN#57)

AMES 11-707 1A9 Q2A + S3 + T9 QMS NOZZLE

SECTION (1) QMS NOZZLE DEPENDENT VARIABLE CP

MACH (5) = 1.392	BETAT (6) = 6.210	X/LNM	.200	.400
		PHI		
		135.000	- .2920	
		160.000	- .2320	- .3000
		225.000	- .3020	

DATE 20 SEP 73 (RMED08) (28 APR 73)

TABULATED PRESSURE DATA - 119A
AXES 11-707 1A9 OEA + S3 + T9 OMS NOZZLE

PARAMETRIC DATA

ALPHAT = 2.000 ORBINC = .900
RUDDER = .000 ELEVON = .000
RUOFLR = .000

REFERENCE DATA

BREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0000 SCALE

DEPENDENT VARIABLE CP

SECTION (1) OMS NOZZLE

MACH (1) = .599 BETAT (1) = -8.090
X/LNM .200 .400
PHI
135.000 -.1170
180.000 -.1680 -.2920
225.000 -.3280

MACH (1) = .598 BETAT (2) = -8.080
X/LNM .200 .400
PHI
135.000 -.1900
180.000 -.1650 -.2060
225.000 -.3050

MACH (1) = .596 BETAT (3) = -8.040
X/LNM .200 .400
PHI
135.000 -.1780
180.000 -.1670 -.2810
225.000 -.2960

MACH (1) = .597 BETAT (4) = -2.010
X/LNM .200 .400
PHI
135.000 -.1980
180.000 -.1840 -.2830
225.000 -.2930

MACH (1) = .598 BETAT (5) = .020
X/LNM .200 .400
PHI
135.000 -.2170
180.000 -.1980 -.2820
225.000 -.2880

MACH (1) = .599 BETAT (6) = 2.050
X/LNM .200 .400
PHI
135.000 -.2450
180.000 -.2240 -.2830
225.000 -.2820

MACH (1) = .556 BETAT (7) = 4.080
X/LNM .200 .400
PHI
135.000 -.2640
180.000 -.2420 -.2970
225.000 -.2980

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SECTION (1) NOZZLE

DEPENDENT VARIABLE CP

MACH (1) = .598	BETAT (8) = 6.110	X/LNM	.200	.400
		PHI		
		135.000	-.2940	
		180.000	-.2380	-.3100
		225.000	-.3200	
MACH (1) = .599	BETAT (9) = 6.140	X/LNM	.200	.400
		PHI		
		135.000	-.3170	
		180.000	-.2150	-.3250
		225.000	-.3240	
MACH (2) = .902	BETAT (1) = -6.180	X/LNM	.200	.400
		PHI		
		135.000	-.1980	
		180.000	-.2100	-.3390
		225.000	-.3640	
MACH (2) = .903	BETAT (2) = -6.130	X/LNM	.200	.400
		PHI		
		135.000	-.2380	
		180.000	-.2330	-.3330
		225.000	-.3430	
MACH (2) = .699	BETAT (3) = -4.090	X/LNM	.200	.400
		PHI		
		135.000	-.2420	
		180.000	-.2380	-.3130
		225.000	-.3230	
MACH (2) = .900	BETAT (4) = -2.030	X/LNM	.200	.400
		PHI		
		135.000	-.2540	
		180.000	-.2380	-.3010
		225.000	-.2990	
MACH (2) = .902	BETAT (5) = 2.070	X/LNM	.200	.400
		PHI		
		135.000	-.2600	
		180.000	-.2510	-.3010
		225.000	-.3050	
MACH (2) = .903	BETAT (6) = 4.120	X/LNM	.200	.400
		PHI		
		135.000	-.2850	
		180.000	-.2610	-.3210
		225.000	-.3240	

CP

DATE 20 SEP 75

TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 02A + S3 + T9 OWS NOZZLE

(RDWED8)

SECTION (1) OWS NOZZLE	DEPENDENT VARIABLE CP			
MACH (2) = .904 BETAT (7) = 6.180	X/LNM	.200	.400	
	PHI			
	135.000	-.2980		
	180.000	-.2730	-.3410	
	225.000	-.3340		
MACH (2) = .901 BETAT (8) = 6.230	X/LNM	.200	.400	
	PHI			
	135.000	-.2960		
	180.000	-.3210	-.3560	
	225.000	-.3450		
MACH (3) = 1.089 BETAT (1) = -6.200	X/LNM	.200	.400	
	PHI			
	135.000	.0320		
	180.000	-.0080	-.3180	
	225.000	-.4290		
MACH (3) = 1.100 BETAT (2) = -6.150	X/LNM	.200	.400	
	PHI			
	135.000	-.1200		
	180.000	-.1250	-.3520	
	225.000	-.4090		
MACH (3) = 1.100 BETAT (3) = -4.090	X/LNM	.200	.400	
	PHI			
	135.000	-.2390		
	180.000	-.2180	-.3700	
	225.000	-.3680		
MACH (3) = 1.089 BETAT (4) = -2.030	X/LNM	.200	.400	
	PHI			
	135.000	-.3000		
	180.000	-.2730	-.3660	
	225.000	-.3660		
MACH (3) = 1.100 BETAT (5) = 2.080	X/LNM	.200	.400	
	PHI			
	135.000	-.3450		
	180.000	-.3430	-.3670	
	225.000	-.3750		
MACH (3) = 1.097 BETAT (6) = 4.130	X/LNM	.200	.400	
	PHI			
	135.000	-.3630		
	180.000	-.3620	-.3720	
	225.000	-.3860		

AMES 11-707 1A9 02A + S3 + T9 OMS NOZZLE

SECTION (1) OMS NOZZLE

MACH (3) = 1.100 BETAT (7) = 6.180
 X/LNM .200 .400
 PHI
 135.000 -.3770
 180.000 -.3750 -.3860
 225.000 -.4000

MACH (3) = 1.101 BETAT (6) = 6.250
 X/LNM .200 .400
 PHI
 135.000 -.3920
 180.000 -.3810 -.4030
 225.000 -.4080

MACH (4) = 1.246 BETAT (1) = -6.180
 X/LNM .200 .400
 PHI
 135.000 .4330
 180.000 .3470 -.0700
 225.000 -.3760

MACH (4) = 1.230 BETAT (2) = -6.110
 X/LNM .200 .400
 PHI
 135.000 .2740
 180.000 .2000 -.1740
 225.000 -.3670

MACH (4) = 1.249 BETAT (3) = -4.070
 X/LNM .200 .400
 PHI
 135.000 .0090
 180.000 -.0090 -.2630
 225.000 -.3430

MACH (4) = 1.246 BETAT (4) = -2.000
 X/LNM .200 .400
 PHI
 135.000 -.1220
 180.000 -.1200 -.3030
 225.000 -.3340

MACH (4) = 1.246 BETAT (5) = 2.060
 X/LNM .200 .400
 PHI
 135.000 -.2780
 180.000 -.2780 -.3190
 225.000 -.3080

MACH (4) = 1.246 BETAT (6) = 4.110
 X/LNM .200 .400
 PHI
 135.000 -.2890
 180.000 -.3040 -.3160
 225.000 -.3240

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 ANES 11-707 1A9 ORA + S3 + T9 CMS NOZZLE

(REMOVED)

SECTION (1) CMS NOZZLE		DEPENDENT VARIABLE CP	
MACH (4) = 1.247 BETAT (7) = 6.150		X/LNM	.200 .400
		PHI	
		135.000	-.3140
		160.000	-.3060
		225.000	-.3280
			-.3340
MACH (4) = 1.245 BETAT (8) = 8.200		X/LNM	.200 .400
		PHI	
		135.000	-.3340
		160.000	-.3160
		225.000	-.3480
			-.3510

(RBMED9) (28 APR 75)

AMES 11-707 1/9 O2A + S3 + T9 OMS NOZZLE

REFERENCE DATA

SREF = 2.4210 96.FT. XMRP = 28.5320 INCHES
 LREF = 39.8490 INCHES YMRP = .0000 INCHES
 BREF = 39.8490 INCHES ZMRP = .0000 INCHES
 SCALE = .0300 SCALE

SECTION (1) OMS NOZZLE

DEPENDENT VARIABLE CP

MACH (1) = .596 BETAT (1) = -6.090
 X/LNM .200 .400
 PHI
 135.000 -.1670
 180.000 -.1860 -.2970
 225.000 -.3210

MACH (1) = .597 BETAT (2) = -6.060
 X/LNM .200 .400
 PHI
 135.000 -.1670
 180.000 -.1860 -.2930
 225.000 -.3140

MACH (1) = .598 BETAT (3) = -4.030
 X/LNM .200 .400
 PHI
 135.000 -.2170
 180.000 -.1990 -.2940
 225.000 -.2990

MACH (1) = .598 BETAT (4) = -2.010
 X/LNM .200 .400
 PHI
 135.000 -.2310
 180.000 -.2120 -.2780
 225.000 -.2840

MACH (1) = .596 BETAT (5) = .020
 X/LNM .200 .400
 PHI
 135.000 -.2290
 180.000 -.2010 -.2810
 225.000 -.2810

MACH (1) = .598 BETAT (6) = 2.050
 X/LNM .200 .400
 PHI
 135.000 -.2350
 180.000 -.2290 -.2830
 225.000 -.2820

MACH (1) = .597 BETAT (7) = 4.080
 X/LNM .200 .400
 PHI
 135.000 -.2610
 180.000 -.2390 -.2910
 225.000 -.2980

PARAMETRIC DATA

ALPHAT = 4.000 ORBITALC = .500
 RUDDER = .000 ELEVON = .000
 RUDFLR = .000

(ORMEID)

DATE 20 SEP 73 TABULATED PRESSURE DATA - IASA
ANES 11-707 1AS OSA + IS + TS OMS NOZZLE

SECTION (1) OMS NOZZLE		DEPENDENT VARIABLE CP	
MACH (1) = .997	BETAT (8) = 6.120	X/LNM .200 .400	PHI
		135.000 -.2230	
		180.000 -.2470 -.3020	
		225.000 -.3190	
MACH (1) = .998	BETAT (9) = 6.150	X/LNM .200 .400	PHI
		135.000 -.2390	
		180.000 -.2297 -.3270	
		225.000 -.3170	
MACH (2) = .999	BETAT (1) = -6.170	X/LNM .200 .400	PHI
		135.000 -.1940	
		180.000 -.2220 -.3280	
		225.000 -.3830	
MACH (2) = .907	BETAT (2) = -6.120	X/LNM .200 .400	PHI
		135.000 -.2480	
		180.000 -.2430 -.3370	
		225.000 -.3490	
MACH (2) = .901	BETAT (3) = -4.080	X/LNM .200 .400	PHI
		135.000 -.2570	
		180.000 -.2500 -.3190	
		225.000 -.3250	
MACH (2) = .899	BETAT (4) = -2.090	X/LNM .200 .400	PHI
		135.000 -.2570	
		180.000 -.2480 -.3030	
		225.000 -.3190	
MACH (2) = .903	BETAT (5) = 2.070	X/LNM .200 .400	PHI
		135.000 -.2570	
		180.000 -.2540 -.3120	
		225.000 -.3120	
MACH (2) = .901	BETAT (6) = 4.130	X/LNM .200 .400	PHI
		135.000 -.2820	
		180.000 -.2690 -.3210	
		225.000 -.3240	

SECTION (1) CMS NOZZLE	DEPENDENT VARIABLE CP			
MACH (2) = .900 BETAT (7) = 6.180	X/LNM	.200	.400	
	PHI			
	135.000	-.2990		
	180.000	-.2660	-.3400	
	225.000	-.3340		
MACH (2) = .900 BETAT (6) = 6.240	X/LNM	.200	.400	
	PHI			
	135.000	-.2540		
	180.000	-.3070	-.3560	
	225.000	-.3450		
MACH (3) = 1.103 BETAT (1) = -6.190	X/LNM	.200	.400	
	PHI			
	135.000	.4160		
	180.000	.0430	-.2810	
	225.000	-.4020		
MACH (3) = 1.103 BETAT (2) = -6.140	X/LNM	.200	.400	
	PHI			
	135.000	-.1480		
	180.000	-.1700	-.3580	
	225.000	-.3850		
MACH (3) = 1.103 BETAT (3) = -4.080	X/LNM	.200	.400	
	PHI			
	135.000	-.2050		
	180.000	-.2540	-.3680	
	225.000	-.3810		
MACH (3) = 1.103 BETAT (4) = -2.030	X/LNM	.200	.400	
	PHI			
	135.000	-.3210		
	180.000	-.2880	-.3680	
	225.000	-.3660		
MACH (3) = 1.103 BETAT (5) = 2.080	X/LNM	.200	.400	
	PHI			
	135.000	-.3560		
	180.000	-.3540	-.3670	
	225.000	-.3780		
MACH (3) = 1.103 BETAT (6) = 4.140	X/LNM	.200	.400	
	PHI			
	135.000	-.3650		
	180.000	-.3680	-.3730	
	225.000	-.3910		

(RBME09)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 ANES 11-707 1A9 OEA + S3 + T9 OMS NOZZLE

DEPENDENT VARIABLE CP

SECTION (1) OMS NOZZLE

MACH (3) = 1.104 BETAT (7) = 0.210

X/LNM	.200	.400
PHI		
135.000	-.3760	
180.000	-.3740	-.3770
225.000	-.3900	

MACH (3) = 1.104 BETAT (8) = 0.260

X/LNM	.200	.400
PHI		
135.000	-.3910	
180.000	-.3840	-.4070
225.000	-.4080	

MACH (4) = 1.248 BETAT (1) = -0.150

X/LNM	.200	.400
PHI		
135.000	.2670	
180.000	.2740	-.1400
225.000	-.3750	

MACH (4) = 1.248 BETAT (2) = -0.110

X/LNM	.200	.400
PHI		
135.000	.1400	
180.000	.1200	-.2380
225.000	-.3810	

MACH (4) = 1.248 BETAT (3) = -4.080

X/LNM	.200	.400
PHI		
135.000	-.0440	
180.000	-.0460	-.2780
225.000	-.3370	

MACH (4) = 1.248 BETAT (4) = -2.020

X/LNM	.200	.400
PHI		
135.000	-.1780	
180.000	-.1710	-.3030
225.000	-.3280	

MACH (4) = 1.248 BETAT (5) = 2.070

X/LNM	.200	.400
PHI		
135.000	-.2900	
180.000	-.2880	-.3150
225.000	-.3190	

MACH (4) = 1.248 BETAT (6) = 4.110

X/LNM	.200	.400
PHI		
135.000	-.2960	
180.000	-.2910	-.3170
225.000	-.3190	

(RBMED9)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 C2A + S3 + T9 OMS NOZZLE

SECTION (1) OMS NOZZLE DEPENDENT VARIABLE CP

MACH (4) = 1.249	BETAT (7) = 6.170	X/LNM		PHI
		.200	.400	
		135.000	-3.3200	
		180.000	-3.0200	-3.290
		225.000	-3.3300	
MACH (4) = 1.248	BETAT (8) = 6.210	X/LNM		PHI
		.200	.400	
		135.000	-3.3800	
		180.000	-3.3500	-3.3480
		225.000	-3.3560	

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1ASA

AVES 11-707 149 OSA + S3 + T9 ON3 NOZZLE

(R0ME10) (28 APR 73)

PARAMETRIC DATA

ALPHAT = 6.000 ORBINC = .500
RUDDER = .000 ELEVON = .000
RUDFLR = .000

REFERENCE DATA

SRFP = 2.4210 SQ.FT. XMRP = 20.9300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
SRFP = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0000 SCALE

DEPENDENT VARIABLE CP

SECTION (1) ON3 NOZZLE

MACH (1) = .597 BETAT (1) = -0.070 X/LNM .200 .400
PHI

135.000 -.2070
180.000 -.2370 -.3060
225.000 -.3310

MACH (1) = .598 BETAT (2) = -0.080 X/LNM .200 .400
PHI

135.000 -.2090
180.000 -.2200 -.2960
225.000 -.3110

MACH (1) = .597 BETAT (3) = -1.050 X/LNM .200 .400
PHI

135.000 -.2290
180.000 -.2100 -.2910
225.000 -.2990

MACH (1) = .597 BETAT (4) = -2.000 X/LNM .200 .400
PHI

135.000 -.2310
180.000 -.2150 -.2830
225.000 -.2890

MACH (1) = .598 BETAT (5) = .020 X/LNM .200 .400
PHI

135.000 -.2440
180.000 -.2170 -.2790
225.000 -.2780

MACH (1) = .598 BETAT (6) = 2.060 X/LNM .200 .400
PHI

135.000 -.2330
180.000 -.2300 -.2920
225.000 -.2870

MACH (1) = .597 BETAT (7) = 4.190 X/LNM .200 .400
PHI

135.000 -.2630
180.000 -.2410 -.2690
225.000 -.2970

(RBME10)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 ORA + S3 + T9 OMS NOZZLE

SECTION (1) OMS NOZZLE DEPENDENT VARIABLE CP

MACH (1) = .598 BETAT (8) = 6.130

X/LNM	.200	.400
PHI		
135.000	-.2760	
180.000	-.2490	-.3040
225.000	-.3150	

MACH (1) = .596 BETAT (9) = 8.170

X/LNM	.200	.400
PHI		
135.000	-.2870	
180.000	-.2200	-.3290
225.000	-.3330	

MACH (2) = .901 BETAT (1) = -8.160

X/LNM	.200	.400
PHI		
135.000	-.2280	
180.000	-.2430	-.3320
225.000	-.3640	

MACH (2) = .900 BETAT (2) = -6.110

X/LNM	.200	.400
PHI		
135.000	-.2450	
180.000	-.2580	-.3290
225.000	-.3450	

MACH (2) = .903 BETAT (3) = -4.070

X/LNM	.200	.400
PHI		
135.000	-.2760	
180.000	-.2700	-.3250
225.000	-.3370	

MACH (2) = .902 BETAT (4) = -2.030

X/LNM	.200	.400
PHI		
135.000	-.2860	
180.000	-.2690	-.3100
225.000	-.3150	

MACH (2) = .902 BETAT (5) = 2.080

X/LNM	.200	.400
PHI		
135.000	-.2650	
180.000	-.2660	-.3120
225.000	-.3140	

MACH (2) = .903 BETAT (6) = 4.130

X/LNM	.200	.400
PHI		
135.000	-.2950	
180.000	-.2780	-.3240
225.000	-.3190	

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A (RBME10)

AVES 11-707 1A9 ORA + S3 + 79 OMS NOZZLE

SECTION (1) OMS NOZZLE DEPENDENT VARIABLE CP

MACH (2) = .903 BETAT (7) = 6.270 X/LNM .200 .400
 PHI
 135.000 -.3070
 180.000 -.2990 -.3430
 225.000 -.3430

MACH (2) = .900 BETAT (8) = 8.260 X/LNM .200 .400
 PHI
 135.000 -.2810
 180.000 -.3210 -.3590
 225.000 -.3480

MACH (3) = 1.103 BETAT (1) = -8.180 X/LNM .200 .400
 PHI
 135.000 .5140
 180.000 .1990 -.1750
 225.000 -.4940

MACH (3) = 1.103 BETAT (2) = -6.130 X/LNM .200 .400
 PHI
 135.000 .3000
 180.000 -.0080 -.3450
 225.000 -.4420

MACH (3) = 1.102 BETAT (3) = -4.080 X/LNM .200 .400
 PHI
 135.000 -.1810
 180.000 -.2760 -.3890
 225.000 -.3720

MACH (3) = 1.102 BETAT (4) = -2.020 X/LNM .200 .400
 PHI
 135.000 -.3320
 180.000 -.3020 -.3620
 225.000 -.3640

MACH (3) = 1.102 BETAT (5) = 2.080 X/LNM .200 .400
 PHI
 135.000 -.3620
 180.000 -.3590 -.3700
 225.000 -.3770

MACH (3) = 1.102 BETAT (6) = 4.140 X/LNM .200 .400
 PHI
 135.000 -.3770
 180.000 -.3760 -.3820
 225.000 -.3940

DATE 20 SEP 73
 TABULATED PRESSURE DATA - 1A9A
 ANES 11-707 1A9 O2A + S3 + T9 OWS NOZZLE

(RBM-10)

DEPENDENT VARIABLE CP

SECTION (1) OWS NOZZLE

MACH (3) = 1.100 BETAT (7) = 6.210

X/LNM	.200	.400
PHI		
135.000	-.3810	
180.000	-.3810	-.3860
225.000	-.3890	

MACH (3) = 1.106 BETAT (6) = 6.280

X/LNM	.200	.400
PHI		
135.000	-.3930	
180.000	-.4010	-.4120
225.000	-.4180	

MACH (4) = 1.246 BETAT (1) = -8.140

X/LNM	.200	.400
PHI		
135.000	.1100	
180.000	.1890	-.2150
225.000	-.3680	

MACH (4) = 1.248 BETAT (2) = -6.080

X/LNM	.200	.400
PHI		
135.000	.0150	
180.000	.0650	-.2560
225.000	-.3610	

MACH (4) = 1.250 BETAT (3) = -4.050

X/LNM	.200	.400
PHI		
135.000	-.1170	
180.000	-.1910	-.2980
225.000	-.3480	

MACH (4) = 1.249 BETAT (4) = -2.020

X/LNM	.200	.400
PHI		
135.000	-.2220	
180.000	-.2030	-.3140
225.000	-.3210	

MACH (4) = 1.245 BETAT (5) = 2.070

X/LNM	.200	.400
PHI		
135.000	-.2960	
180.000	-.2980	-.3160
225.000	-.3180	

MACH (4) = 1.247 BETAT (6) = 4.120

X/LNM	.200	.400
PHI		
135.000	-.3040	
180.000	-.2990	-.3230
225.000	-.3240	

DATE 20 SEP 72

TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 O2A + S3 + T9 OMS NOZZLE

(R9ME10)

SECTION (1) OMS NOZZLE		DEPENDENT VARIABLE CP	
MACH (4) = 1.205	CETAT (7) = 6.160	X/LNM	.200 .400
		PHI	
		135.000	-.3240
		180.000	-.3180
MACH (4) = 1.507	CETAT (8) = 6.220	225.000	-.3320
			-.3360
		X/LNM	.200 .400
		PHI	
		135.000	-.3460
		180.000	-.3460
		225.000	-.3510
			-.3580

REFERENCE DATA

SREF = 2.4210 90.FT. XGRP = 28.5300 INCHES
LWFP = 39.8490 INCHES YGRP = .0000 INCHES
BREF = 39.8490 INCHES ZGRP = .0000 INCHES
SCALE = .0300 SCALE

SECTION (1) ONS NOZZLE

MACH (1) = .999 BETAT (1) = -8.040

DEPENDENT VARIABLE CP
X/LNM .200 .400
PHI
135.000 -.2360
180.000 -.2480
225.000 -.3280

MACH (1) = .997 BETAT (2) = -6.030

X/LNM .200 .400
PHI
135.077 -.2330
180.000 -.2370
225.000 -.3090

MACH (1) = .997 BETAT (3) = -4.010

X/LNM .200 .400
PHI
135.000 .1460
180.000 -.1300
225.000 -.1350

MACH (1) = .999 BETAT (4) = -2.000

X/LNM .200 .400
PHI
135.000 -.2477
180.000 -.2300
225.000 -.2881

MACH (1) = .800 BETAT (5) = .020

X/LNM .200 .400
PHI
135.000 -.2540
180.000 -.2070
225.000 -.2810

MACH (1) = .998 BETAT (6) = 2.180

X/LNM .200 .400
PHI
135.000 -.2490
180.000 -.2290
225.000 -.2910

MACH (1) = .997 BETAT (7) = 3.080

X/LNM .200 .400
PHI
135.000 -.2370
180.000 -.2340
225.000 -.2890

PARAMETRIC DATA

ALPHAT = 8.000 ORBINC = .500
RUDDER = .000 ELEVON = .000
RUFLR = .000

(RHE11)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 AXES 11-707 1A9 OZA + S3 + T9 OMS NOZZLE

SECTION (1) OMS NOZZLE		DEPENDENT VARIABLE CP	
MACH (1) = .603	BETAT (8) = 4.100	X/LNM .200	.400
		PHI	
		135.000	-.2660
		180.000	-.2550
		225.000	-.2930
MACH (1) = .601	BETAT (9) = 6.150	X/LNM .200	.400
		PHI	
		135.000	-.2640
		180.000	-.3000
		225.000	-.3070
MACH (1) = .600	BETAT (10) = 8.190	X/LNM .200	.400
		PHI	
		135.000	-.2920
		180.000	-.2620
		225.000	-.3360
MACH (2) = .900	BETAT (1) = -8.140	X/LNM .200	.400
		PHI	
		135.000	-.2610
		180.000	-.2480
		225.000	-.3330
MACH (2) = .903	BETAT (2) = -6.090	X/LNM .200	.400
		PHI	
		135.000	-.2780
		180.000	-.2690
		225.000	-.3370
MACH (2) = .903	BETAT (3) = -4.060	X/LNM .200	.400
		PHI	
		135.000	-.2920
		180.000	-.2930
		225.000	-.3250
MACH (2) = .901	BETAT (4) = -2.020	X/LNM .200	.400
		PHI	
		135.000	-.2920
		180.000	-.2810
		225.000	-.3220
MACH (2) = .901	BETAT (5) = 2.060	X/LNM .200	.400
		PHI	
		135.000	-.2760
		180.000	-.2730
		225.000	-.3190

(R08E11)

DATE 20 SEP 75
 TABULATED PRESSURE DATA - 1A9A
 AMES 11-707 1A9 02A + S3 + T9 OHS NOZZLE

SECTION (1) OHS NOZZLE	DEPENDENT VARIABLE CP			
MACH (2) = .900 BETAT (6) = 4.130	X/LNM	.200	.400	
	PHI			
	135.000	-.3080		
	180.000	-.2880	-.3320	
	225.000	-.3280		
MACH (2) = .902 BETAT (7) = 6.200	X/LNM	.200	.400	
	PHI			
	135.000	-.3210		
	180.000	-.3180	-.3390	
	225.000	-.3480		
MACH (2) = .900 BETAT (8) = 8.280	X/LNM	.200	.400	
	PHI			
	135.000	-.3290		
	180.000	-.3390	-.3450	
	225.000	-.3570		
MACH (3) = 1.103 BETAT (1) = -6.130	X/LNM	.200	.400	
	PHI			
	135.000	-.090		
	180.000	-.0	-.2040	
	225.000	-.07PHI		
MACH (3) = 1.096 BETAT (2) = -6.110	X/LNM	.200	.400	
	PHI			
	135.000	.0840		
	180.000	-.0790	-.3130	
	225.000	-.4430		
MACH (3) = 1.102 BETAT (3) = -4.070	X/LNM	.200	.400	
	PHI			
	135.000	.0090		
	180.000	-.1200	-.3450	
	225.000	-.4150		
MACH (3) = 1.103 BETAT (4) = -2.030	X/LNM	.200	.400	
	PHI			
	135.000	-.0750		
	180.000	-.2440	-.3720	
	225.000	-.3670		
MACH (3) = 1.103 BETAT (5) = 2.090	X/LNM	.200	.400	
	PHI			
	135.000	-.3780		
	180.000	-.3740	-.3850	
	225.000	-.3930		

(RDM11)

DATE 25 SEP 73 TABULATED PRESSURE DATA - 1A9A
 ANES 11-707 1A9 OSA + S3 + T9 OMS NOZZLE

SECTION (1) OMS NOZZLE	DEPENDENT VARIABLE CP			
MACH (3) = 1.103 BETAT (6) = 4.150	X/LNM	.200	.400	
	PHI			
	135.000	-.3680		
	180.000	-.3920		
	225.000	-.4020		
MACH (3) = 1.100 BETAT (7) = 6.230	X/LNM	.200	.400	
	PHI			
	135.000	-.4110		
	180.000	-.3970	-.4030	
	225.000	-.4050		
MACH (3) = 1.100 BETAT (8) = 8.300	X/LNM	.200	.400	
	PHI			
	135.000	-.4140		
	180.000	-.4190	-.4180	
	225.000	-.4220		
MACH (4) = 1.245 BETAT (1) = -6.110	X/LNM	.200	.400	
	PHI			
	135.000	-.0440		
	180.000	.0530	-.2800	
	225.000	-.3680		
MACH (4) = 1.249 BETAT (2) = -6.070	X/LNM	.200	.400	
	PHI			
	135.000	-.1060		
	180.000	-.0370	-.2910	
	225.000	-.3310		
MACH (4) = 1.249 BETAT (3) = -4.040	X/LNM	.200	.400	
	PHI			
	135.000	-.1930		
	180.000	-.1370	-.3080	
	225.000	-.3470		
MACH (4) = 1.249 BETAT (4) = -2.020	X/LNM	.200	.400	
	PHI			
	135.000	-.2530		
	180.000	-.2270	-.3120	
	225.000	-.3170		
MACH (4) = 1.249 BETAT (5) = 2.080	X/LNM	.200	.400	
	PHI			
	135.000	-.3020		
	180.000	-.2950	-.3160	
	225.000	-.3150		

(RBM11)

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A
AMES 11-707 1A9 02A + S3 + T9 OWS NOZZLE

SECTION (1) OWS NOZZLE	DEPENDENT VARIABLE CP				
MACH (4) = 1.247	BETAT (6) = 4.130	X/LNW	.200	.400	
		PHI			
		135.000	-.3090		
		160.000	-.3060	-.3250	
		225.000	-.3260		
MACH (4) = 1.248	BETAT (7) = 6.180	X/LNW	.200	.400	
		PHI			
		135.000	-.3240		
		160.000	-.3240	-.3300	
		225.000	-.3360		
MACH (4) = 1.247	BETAT (8) = 8.230	X/LNW	.200	.400	
		PHI			
		135.000	-.3400		
		160.000	-.3380	-.3410	
		225.000	-.3460		

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

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(R0ME12) (20 APR 73)

AVES 11-707 1A9 02A + S3 + T9 0MS NOZZLE

REFERENCE DATA

SREF = 2.4210 32. FT. XMRP = 28.3300 INCHES
 LREF = 39.8490 INCHES YMRP = .0000 INCHES
 BREF = 39.8490 INCHES ZMRP = .0000 INCHES
 SCALE = .0000 SCALE

SECTION (1) 0MS NOZZLE

DEPENDENT VARIABLE CP

MACH (1) = 1.101 BETAT (1) = -0.170

X/LNM .200 .400
 PHI
 135.000 .0250
 180.000 .3980
 225.000 -.3070

MACH (1) = 1.100 BETAT (2) = -0.070

X/LNM .200 .400
 PHI
 135.000 .0560
 180.000 .0060
 225.000 -.4350

MACH (1) = 1.097 BETAT (3) = .080

X/LNM .200 .400
 PHI
 135.000 -.2820
 180.000 -.1770
 225.000 -.3650

MACH (1) = 1.099 BETAT (4) = 4.160

X/LNM .200 .400
 PHI
 135.000 -.3720
 180.000 -.3180
 225.000 -.3910

MACH (1) = 1.105 BETAT (5) = 0.300

X/LNM .200 .400
 PHI
 135.000 -.4100
 180.000 -.4000
 225.000 -.4170

MACH (2) = 1.250 BETAT (1) = -0.120

X/LNM .200 .400
 PHI
 135.000 .0540
 180.000 .4920
 225.000 -.3550

MACH (2) = 1.251 BETAT (2) = -0.100

X/LNM .200 .400
 PHI
 135.000 .5780
 180.000 .4070
 225.000 -.3840

PARAMETRIC DATA

ALPHAT = -0.000 ORBINC = .500
 RUDDER = -5.000 ELEVON = .000
 RUFLR = .000

SECTION (1) OHS NOZZLE

DEPENDENT VARIABLE CP

MACH (2) = 1.248	BETAT (3) = .020	X/LNH	.200	.400
		PHI		
		135.000	-.0630	
		160.000	.0060	-.3120
		225.000	-.3640	
MACH (2) = 1.245	BETAT (4) = 4.130	X/LNH	.200	.400
		PHI		
		135.000	-.2600	
		160.000	-.2280	-.3300
		225.000	-.3290	
MACH (2) = 1.247	BETAT (5) = 8.230	X/LNH	.200	.400
		PHI		
		135.000	-.3400	
		160.000	-.3060	-.3440
		225.000	-.3460	

(RBME13) (28 APR 73)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
AVES 11-707 1A9 02A + S3 + T9 OMS NOZZLE

PARAMETRIC DATA

ALPHAT = -6.000 ORBINC = .500
RUDDER = -5.000 ELEVON = .000
RUFLR = .000

REFERENCE DATA

REF = 2.4210 90.FT. XMRP = 28.5300 INCHES
LREF = 39.0490 INCHES YMRP = .000 INCHES
BREF = 39.0490 INCHES ZMRP = .5000 INCHES
SCALE = .0300 SCALE

DEPENDENT VARIABLE CP

SECTION (1) OMS NOZZLE

MACH (1) = 1.102 BETAT (1) = -8.180
X/LNM .200 .400
PHI
135.000 .6800
180.000 .3190 -2120
225.000 -.4060

MACH (1) = 1.098 BETAT (2) = -4.080
X/LNM .200 .400
PHI
135.000 -.0080
180.000 .0060 -.3440
225.000 -.4300

MACH (1) = 1.101 BETAT (3) = .020
X/LNM .200 .400
PHI
135.000 -.2840
180.000 -.1990 -.3710
225.000 -.3710

MACH (1) = 1.087 BETAT (4) = 4.140
X/LNM .200 .400
PHI
135.000 -.3750
180.000 -.3380 -.3940
225.000 -.3960

MACH (1) = 1.102 BETAT (5) = 8.290
X/LNM .200 .400
PHI
135.000 -.4070
180.000 -.3950 -.4080
225.000 -.4090

MACH (2) = 1.245 BETAT (1) = -8.130
X/LNM .200 .400
PHI
135.000 .7980
180.000 .4730 .1650
225.000 -.3830

MACH (2) = 1.251 BETAT (2) = -4.060
X/LNM .200 .400
PHI
135.000 .4630
180.000 .3230 -.1440
225.000 -.3770

AVES 11-707 1A9 02A + S3 + T9 OMS NOZZLE

(RBM13)

SECTION (1) OMS NOZZLE		DEPENDENT VARIABLE CP	
MACH (2) = 1.246	BETAT (3) = .020	X/LNM	.200 .400
		PHI	
		135.000	-.0690
		160.000	-.10440
		225.000	-.3530
MACH (2) = 1.245	BETAT (4) = 4.120	X/LNM	.200 .400
		PHI	
		135.000	-.2910
		160.000	-.2900
		225.000	-.3390
MACH (2) = 1.247	BETAT (5) = 8.230	X/LNM	.200 .400
		PHI	
		135.000	-.3360
		160.000	-.3060
		225.000	-.3400

(RBME14) (28 APR 73)

PARAMETRIC DATA

ALPHAT = -4.000 ORBINC = .500
RUDDER = -5.000 ELEVON = .000
RUOFLR = .000

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
AMES 11-707 1A9 02A + S3 + T9 ONS NOZZLE

REFERENCE DATA

SNCF = 2.4210 90.FT. XMRP = 28.5300 INCHES
LREF = 39.6490 INCHES YMRP = .0000 INCHES
PREF = 39.6490 INCHES ZMRP = .0000 INCHES
SCALE = .0370 SCALE

DEPENDENT VARIABLE CP

SECTION (1) ONS NOZZLE

MACH (1) = 1.098 BETAT (1) = -8.190
X/LNM .200 .400
PHI
135.000 .2320
180.000 .1250 -2790
225.000 -.4350

MACH (1) = 1.101 BETAT (2) = -4.060
X/LNM .200 .400
PHI
135.000 -.0760
180.000 -.0710 -3530
225.000 -.4200

MACH (1) = 1.099 BETAT (3) = .020
X/LNM .200 .400
PHI
135.000 -.2580
180.000 -.2290 -.3670
225.000 -.3650

MACH (1) = 1.103 BETAT (4) = 4.130
X/LNM .200 .400
PHI
135.000 -.3620
180.000 -.3510 -.3820
225.000 -.3940

MACH (1) = 1.099 BETAT (5) = 8.260
X/LNM .200 .400
PHI
135.000 -.3920
180.000 -.3730 -.3910
225.000 -.3950

MACH (2) = 1.246 BETAT (1) = -8.140
X/LNM .200 .400
PHI
135.000 .7190
180.000 .4370 .0710
225.000 -.3870

MACH (2) = 1.244 BETAT (2) = -4.060
X/LNM .200 .400
PHI
135.000 .3180
180.000 .2310 -.1980
225.000 -.3800

(R0ME14)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 ASES 11-707 1/3 OZA + S3 + T9 OMS NOZZLE

SECTION (1) OMS NOZZLE	DEPENDENT VARIABLE CP	
MACH (2) = 1.247 BETAT (3) = .023	X/LNM .200 .400	
	PHI	
	125.000 -.1960	
	180.000 -.1170 -.3190	
	225.000 -.3250	
MACH (2) = 1.245 BETAT (4) = 4.110	X/LNM .200 .400	
	PHI	
	135.000 -.2990	
	180.000 -.2900 -.3260	
	225.000 -.3270	
MACH (2) = 1.250 BETAT (5) = 8.210	X/LNM .200 .400	
	PHI	
	135.000 -.3310	
	180.000 -.3020 -.3340	
	225.000 -.3390	



DATE 20 SEP 73 (RDM15) (28 APR 73)

TABULATED PRESSURE DATA - 1A9A
AMES 11-707 1A9 02A + S3 + T5 OMS NOZZLE

PARAMETRIC DATA

ALPHAT = -2.000 ORBINC = .500
RUDDER = -5.000 ELEVON = .000
RUOFLR = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XGRP = 28.5300 INCHES
LREF = 39.8490 INCHES YGRP = .0000 INCHES
BREF = 39.8490 INCHES ZGRP = .0000 INCHES
SCALE = .0300 SCALE

SECTION (1) OMS NOZZLE DEPENDENT VARIABLE CP

MACH (1) = 1.101 BETAT (1) = -8.200
X/LNM .200 .400
PHI
135.000 .1870
180.000 .1000 -.2880
225.000 -.4420MACH (1) = 1.101 BETAT (2) = -4.080
X/LNM .200 .400
PHI
135.000 -.1430
180.000 -.1230 -.3990
225.000 -.4080MACH (1) = 1.103 BETAT (3) = .030
X/LNM .200 .400
PHI
135.000 -.3090
180.000 -.2670 -.3640
225.000 -.3560MACH (1) = 1.097 BETAT (4) = 4.140
X/LNM .200 .400
PHI
135.000 -.3630
180.000 -.3540 -.3680
225.000 -.3770MACH (1) = 1.100 BETAT (5) = 8.250
X/LNM .200 .400
PHI
135.000 -.3840
180.000 -.3750 -.3960
225.000 -.3930MACH (2) = 1.241 BETAT (1) = -8.250
X/LNM .200 .400
PHI
135.000 .6320
180.000 .4050 .1420
225.000 -.3880MACH (2) = 1.249 BETAT (2) = -4.070
X/LNM .200 .400
PHI
135.000 .2110
180.000 .1740 -.1990
225.000 -.3750

DEPENDENT VARIABLE CP

SECTION (1) CMS NOZZLE

MACH (2) = 1.247 BETAT (3) = .121
 X/LNM .200 .400
 PHI
 135.000 -.1790
 180.000 -.1510 -.3230
 225.000 -.3330

MACH (2) = 1.247 BETAT (4) = 4.110
 X/LNM .200 .400
 PHI
 135.000 -.2980
 180.000 -.3080 -.3250
 225.000 -.3280

MACH (2) = 1.246 BETAT (5) = 8.200
 X/LNM .200 .400
 PHI
 135.000 -.3350
 180.000 -.3130 -.3410
 225.000 -.3470

A

DATE 20 SEP 75

7-BULATED PRESSURE DATA - 1A9A
AMES 11-707 1A9 02A > S3 + T9 OMS NOZZLE

(RBME16) (20 APR 75)

PARAMETRIC DATA

ALPHAT = .000 ORBINC = .500
RUDDER = -.5.000 ELEVON = .000
RUDFLR = .000

REFERENCE DATA

REF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0310 SCALE

DEPENDENT VARIABLE CP

SECTION (1) OMS NOZZLE

MACH (1) = 1.101 BETAT (1) = -0.210
X/LNM .200 .400
PHI
135.000 .1290
180.000 .0590 -.2020
225.000 -.4350

MACH (1) = 1.096 BETAT (2) = -4.090
X/LNM .200 .400
PHI
135.000 -.1690
180.000 -.1540 -.3600
225.000 -.4060

MACH (1) = 1.100 BETAT (3) = .020
X/LNM .200 .400
PHI
135.000 -.3170
180.000 -.2920 -.3690
225.000 -.3590

MACH (1) = 1.100 BETAT (4) = 4.130
X/LNM .200 .400
PHI
135.000 -.3600
180.000 -.3570 -.3730
225.000 -.3860

MACH (1) = 1.099 BETAT (5) = 8.250
X/LNM .200 .400
PHI
135.000 -.3890
180.000 -.3790 -.3990
225.000 -.3980

MACH (2) = 1.247 BETAT (1) = -8.150
X/LNM .200 .400
PHI
135.000 .5440
180.000 .3760 -.0250
225.000 -.3890

MACH (2) = 1.249 BETAT (2) = -4.070
X/LNM .200 .400
PHI
135.000 .1390
180.000 .1940 -.2340
225.000 -.3730

SECTION (1) OMS NOZZLE		DEPENDENT VARIABLE CP	
MACH (2) = 1.247	BETAT (3) = .000	X/LNM	.200
		PHI	.400
		135.000	-.2020
		160.000	-.1860
		225.000	-.3240
MACH (2) = 1.244	BETAT (4) = 4.110	X/LNM	.200
		PHI	.400
		135.000	-.2080
		160.000	-.2910
		225.000	-.3230
MACH (2) = 1.244	BETAT (5) = 8.200	X/LNM	.200
		PHI	.400
		135.000	-.3420
		160.000	-.3190
		225.000	-.3470

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

ANES 11-7-73 1A9 OZA + S3 + T9 OMS NOZZLE

REFERENCE DATA

SREF = 2.4210 50.FT. XWRP = 28.5300 INCHES
 LREF = 39.8490 INCHES YWRP = .0000 INCHES
 BREF = 39.8490 INCHES ZWRP = .0000 INCHES
 SCALE = .0000 SCALE

SECTION (1) OMS NOZZLE

DEPENDENT VARIABLE CP

MACH (1) = 1.102 BETAT (1) = -0.200
 X/LNM .200 .400
 PHI
 135.000 .0270
 180.000 -.0200 -.3190
 225.000 -.4270

MACH (1) = 1.098 BETAT (2) = -4.090
 X/LNM .200 .400
 PHI
 135.000 -.2790
 180.000 -.2190 -.3690
 225.000 -.3910

MACH (1) = 1.102 BETAT (3) = .080
 X/LNM .200 .400
 PHI
 135.000 -.3390
 180.000 -.3170 -.3710
 225.000 -.3690

MACH (1) = 1.100 BETAT (4) = 4.130
 X/LNM .200 .400
 PHI
 135.000 -.3670
 180.000 -.3590 -.3710
 225.000 -.3940

MACH (1) = 1.099 BETAT (5) = 0.290
 X/LNM .200 .400
 PHI
 135.000 -.3080
 180.000 -.3810 -.4020
 225.000 -.4080

MACH (2) = 1.244 BETAT (1) = -0.150
 X/LNM .200 .400
 PHI
 135.000 .4190
 180.000 .3180 -.0990
 225.000 -.3890

MACH (2) = 1.231 BETAT (2) = -4.060
 X/LNM .200 .400
 PHI
 135.000 .1030
 180.000 -.0150 -.2750
 225.000 -.3590

SECTION (1) OMS NOZZLE		DEPENDENT VARIABLE CP	
MACH (2) = 1.248 BETAT (3) = .020	X/LNM	.200	.400
	PHI	-.2900	
	135.000	-.2210	-.3290
	160.000	-.3260	
	225.000		
MACH (2) = 1.244 BETAT (4) = 4.100	X/LNM	.200	.400
	PHI	-.2940	
	135.000	-.3220	
	160.000	-.3260	
	225.000		
MACH (2) = 1.943 BETAT (5) = 9.200	X/LNM	.200	.400
	PHI	-.3440	
	135.000	-.3220	-.3540
	160.000	-.3570	
	225.000		

DATE 20 SEP 75

TABULATED PRESSURE DATA - 1A9A
ANES 11-707 1A9 02A + S3 + T9 OMS NOZZLE

(RBMK18) (28 APR 73)

PARAMETRIC DATA

ALPHAT = 4.000 ORBINC = .500
RUDDER = -5.000 ELEVON = .000
RUFLR = .000

REFERENCE DATA

SRFP = 2.4210 50.17. XGRP = 28.5300 INCHES
LREF = 39.8490 INCHES YGRP = .0000 INCHES
SRFP = 39.8490 INCHES ZGRP = .0000 INCHES
SCALE = .0000 SCALE

SECTION (1) OMS NOZZLE		DEPENDENT VARIABLE CP	
MACH (1) = 1.101	BETAT (1) = -0.200	X/LNM	.400
		PHI	
		135.000	.3970
		180.000	-.0140
		225.000	-.4390
MACH (1) = 1.099	BETAT (2) = -4.000	X/LNM	.400
		PHI	
		135.000	-.2890
		180.000	-.2550
		225.000	-.3780
MACH (1) = 1.098	BETAT (3) = .000	X/LNM	.400
		PHI	
		135.000	-.3440
		180.000	-.3210
		225.000	-.3700
MACH (1) = 1.100	BETAT (4) = 4.130	X/LNM	.400
		PHI	
		135.000	-.3650
		180.000	-.3650
		225.000	-.3950
MACH (1) = 1.099	BETAT (5) = 0.260	X/LNM	.400
		PHI	
		135.000	-.3660
		180.000	-.3690
		225.000	-.4170
MACH (2) = 1.244	BETAT (1) = -0.140	X/LNM	.400
		PHI	
		135.000	.2370
		180.000	.2540
		225.000	-.3820
MACH (2) = 1.244	BETAT (2) = -4.060	X/LNM	.400
		PHI	
		135.000	-.0550
		180.000	-.1650
		225.000	-.3550

(R08E18)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 AVES 11-707 149 CCA + S3 + T9 OMS NOZZLE

SECTION (1) OMS NOZZLE		DEPENDENT VARIABLE CP	
MACH (2) = 1.247 BETAT (3) = .020		X/LNM	.400
		PHI	
		135.000	-.2620
		160.000	-.2790
		225.000	-.3270
MACH (2) = 1.249 BETAT (4) = 4.120		X/LNM	.400
		PHI	
		135.000	-.3050
		160.000	-.3000
		225.000	-.3270
MACH (2) = 1.245 BETAT (5) = 8.210		X/LNM	.400
		PHI	
		135.000	-.3480
		160.000	-.3450
		225.000	-.3630

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1ASA
AVES 11-707 1A9 02A + S3 + T9 OMS NOZZLE

(RBME19) (28 APR 75)

PARAMETRIC DATA

ALPHAT = 6.000 ORBINC = .500
RUDDER = -5.000 ELEVON = .000
RUDFLR = .000

REFERENCE DATA

BREF = 2.4210 SQ.FT. XMRP = 20.1300 INCHES
LMRP = 39.8490 INCHES YMRP = .7000 INCHES
ZMRP = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

DEPENDENT VARIABLE CP

SECTION (1) OMS NOZZLE

MACH (1) = 1.101	BETAT (1) = -8.180	X/LNM	PHI
		.200	.400
		135.000	.4750
		180.000	.1420
		225.000	-.8050
			-.4990
MACH (1) = 1.088	BETAT (2) = -4.080	X/LNM	PHI
		.200	.400
		135.000	-.2210
		180.000	-.2780
		225.000	-.3670
			-.3780
MACH (1) = 1.101	BETAT (3) = .020	X/LNM	PHI
		.200	.400
		135.000	-.3550
		180.000	-.3350
		225.000	-.3710
MACH (1) = 1.103	BETAT (4) = 4.150	X/LNM	PHI
		.200	.400
		135.000	-.3820
		180.000	-.3820
		225.000	-.3650
			-.3970
MACH (1) = 1.100	BETAT (5) = 8.280	X/LNM	PHI
		.200	.400
		135.000	-.3910
		180.000	-.4120
		225.000	-.4180
			-.4180
MACH (2) = 1.248	BETAT (1) = -8.120	X/LNM	PHI
		.200	.400
		135.000	.1620
		180.000	.1690
		225.000	-.2270
			-.3610
MACH (2) = 1.250	BETAT (2) = -4.050	X/LNM	PHI
		.200	.400
		135.000	-.1260
		180.000	-.3150
		225.000	-.3180
			-.3610

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AMES 11-707 1A9 O2A + S3 + T9 OMS NOZZLE

SECTION (1) OMS NOZZLE		DEPENDENT VARIABLE CP	
MACH (2) = 1.247 BETAT (3) = .010	X/LNM	.200	.400
	PHI		
	135.000	-.2840	
	160.000	-.2500	-.3290
	225.000	-.3840	
MACH (2) = 1.245 BETAT (4) = 4.120	X/LNM	.200	.400
	PHI		
	135.000	-.3170	
	160.000	-.3080	-.3380
	225.000	-.3350	
MACH (2) = 1.244 BETAT (5) = 0.250	X/LNM	.200	.400
	PHI		
	135.000	-.3500	
	160.000	-.3510	-.3690
	225.000	-.3680	

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

AVES 11-707 1A9 02A + S3 + T9 CMS NOZZLE

REFERENCE DATA

REF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
 LREF = 39.8490 INCHES YMRP = .0000 INCHES
 BREF = 39.8490 INCHES ZMRP = .0000 INCHES
 SCALE = .0000 SCALE

SECTION (1) CMS NOZZLE

DEPENDENT VARIABLE CP

MACH (1) = 1.101	BETAT (1) = -0.160	X/LNM	PHI	X/LNM	PHI
		.200	.400	.200	.400
		135.000	.2830	135.000	.2830
		180.000	.0330	180.000	-.2010
		225.000	-.4690	225.000	-.4690
MACH (1) = 1.101	BETAT (2) = -4.070	X/LNM	PHI	X/LNM	PHI
		.200	.400	.200	.400
		135.000	.0400	135.000	.0400
		180.000	-.1100	180.000	-.3440
		225.000	-.4190	225.000	-.4190
MACH (1) = 1.099	BETAT (3) = .020	X/LNM	PHI	X/LNM	PHI
		.200	.400	.200	.400
		135.000	-.3210	135.000	-.3210
		180.000	-.3260	180.000	-.3740
		225.000	-.3750	225.000	-.3750
MACH (1) = 1.100	BETAT (4) = 4.160	X/LNM	PHI	X/LNM	PHI
		.200	.400	.200	.400
		135.000	-.3680	135.000	-.3680
		180.000	-.3780	180.000	-.3680
		225.000	-.3940	225.000	-.3940
MACH (1) = 1.099	BETAT (5) = 6.300	X/LNM	PHI	X/LNM	PHI
		.200	.400	.200	.400
		135.000	-.3970	135.000	-.3970
		180.000	-.4040	180.000	-.4110
		225.000	-.4110	225.000	-.4110
MACH (2) = 1.246	BETAT (1) = -0.110	X/LNM	PHI	X/LNM	PHI
		.200	.400	.200	.400
		135.000	-.1620	135.000	-.1620
		180.000	.0360	180.000	-.2910
		225.000	-.3760	225.000	-.3760
MACH (2) = 1.246	BETAT (2) = -4.040	X/LNM	PHI	X/LNM	PHI
		.200	.400	.200	.400
		135.000	-.2120	135.000	-.2120
		180.000	-.5490	180.000	-.3210
		225.000	-.3550	225.000	-.3550

PARAMETRIC DATA

ALPHAT = 0.000 ORBINC = .500
 RUDDER = -5.000 ELEVON = .000
 RUOFLR = .000

(RDNE20)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
AMES 11-707 1A9 Q2A + S3 + T9 OMS NOZZLE

SECTION (1) OMS NOZZLE		DEPENDENT VARIABLE CP	
MACH (2) = 1.245 BETAT (3) = .010	X/LNM	.200	.400
	PHI		
	135.000	-.3000	
	160.000	-.2620	-.3240
	225.000	-.3240	
MACH (2) = 1.245 BETAT (4) = 4.130	X/LNM	.200	.400
	PHI		
	135.000	-.3240	
	160.000	-.3180	-.3360
	225.000	-.3400	
MACH (2) = 1.245 BETAT (5) = 7.250	X/LNM	.200	.400
	PHI		
	135.000	-.3430	
	160.000	-.3430	-.3500
	225.000	-.3550	

DATE 20 SEP 73

TABULATED PRESSURE DATA - IASA

(RBME21) (28 APR 73)

AVES 11-707 1A9 02A + S3 + T9 OMS NOZZLE

PARAMETRIC DATA

ALPHAT = -8.0000 ORBINC = .500
 RUDDER = -10.0000 ELEVYN = .0000
 RUDFLR = .0000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.3300 INCHES
 LREF = 39.8490 INCHES YMRP = .0000 INCHES
 BREF = 39.8490 INCHES ZMRP = .0000 INCHES
 SCALE = .0300 SCALE

SECTION (1) OMS NOZZLE

DEPENDENT VARIABLE CP

MACH (1) = 1.100 BETAT (1) = -0.170
 X/LNM .200 .400
 PHI
 135.000 .8980
 180.000 .4060
 225.000 -.9070

MACH (1) = 1.104 BETAT (2) = -4.080
 X/LNM .200 .400
 PHI
 135.000 .0890
 180.000 .1040
 225.000 -.4480

MACH (1) = 1.099 BETAT (3) = .020
 X/LNM .200 .400
 PHI
 135.000 -.2680
 180.000 -.1780
 225.000 -.3680

MACH (1) = 1.101 BETAT (4) = 4.150
 X/LNM .200 .400
 PHI
 135.000 -.3700
 180.000 -.3240
 225.000 -.4000

MACH (1) = 1.100 BETAT (5) = 6.300
 X/LNM .200 .400
 PHI
 135.000 -.4170
 180.000 -.4000
 225.000 -.4270

MACH (2) = 1.245 BETAT (1) = -0.120
 X/LNM .200 .400
 PHI
 135.000 .8580
 180.000 .4940
 225.000 -.3580

MACH (2) = 1.252 BETAT (2) = -4.050
 X/LNM .200 .400
 PHI
 135.000 .6240
 180.000 .4220
 225.000 -.3850

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

(RBME21)

AMES 11-707 1A9 02A + S3 + T9 0MS NOZZLE

SECTION (1) 0MS NOZZLE		DEPENDENT VARIABLE CP	
MACH (2) = 1.230	BETAT (3) = .020	X/LNM	.200 .400
		PHI	
		135.000	-.0420
		180.000	.0410
		225.000	-.3060
			-.3630
MACH (2) = 1.246	BETAT (4) = 4.130	X/LNM	.200 .400
		PHI	
		135.000	-.2610
		180.000	-.2190
		225.000	-.3330
			-.3340
MACH (2) = 1.247	BETAT (5) = 8.260	X/LNM	.200 .400
		PHI	
		135.000	-.3470
		180.000	-.3060
		225.000	-.3500
			-.3540

(RBM22) (28 APR 73)

TABULATED PRESSURE DATA - 1A9A
ANES 11-707 1A9 OCA + S3 + T9 CWS N7ZZLE

PARAMETRIC DATA

ALPHAT = -6.000 ORBINC = .500
RUDDER = -10.000 ELEVON = .000
RUDFLR = .000

REFERENCE DATA

SPCF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .03000 SCALE

SECTION (1) CWS N7ZZLE

DEPENDENT VARIABLE CP

MACH (1) = 1.100 BETAT (1) = -0.190
X/LNM .200 .400
PHI
135.000 .5480
180.000 .2940
225.000 -.2250

MACH (1) = 1.097 BETAT (2) = -4.080
X/LNM .200 .400
PHI
135.000 -.0010
180.000 -.3440
225.000 -.4370

MACH (1) = 1.096 BETAT (3) = .020
X/LNM .200 .400
PHI
135.000 -.2890
180.000 -.3740
225.000 -.3670

MACH (1) = 1.100 BETAT (4) = 4.140
X/LNM .200 .400
PHI
135.000 -.3710
180.000 -.3400
225.000 -.3970

MACH (1) = 1.099 BETAT (5) = 9.280
X/LNM .200 .400
PHI
135.000 -.4120
180.000 -.4140
225.000 -.4200

MACH (2) = 1.247 BETAT (1) = -0.140
X/LNM .200 .400
PHI
135.000 .8160
180.000 .4740
225.000 -.3750

MACH (2) = 1.247 BETAT (2) = -4.060
X/LNM .200 .400
PHI
135.000 .4510
180.000 .3300
225.000 -.1530

DATE 20 SEP 73
 TABULATED PRESSURE DATA - IA9A
 AMES 11-707 IA9 ODA + S3 + T9 OMS NOZZLE

(RBM22)

SECTION / 1/OMS NOZZLE		DEPENDENT VARIABLE CP	
MACH (2) = 1.230	BETAT (3) = .065	X/LNM	.200 .400
		PHI	-.0710
		135.000	-.0210
		180.000	-.3370
		225.000	-.3540
MACH (2) = 1.230	BETAT (4) = 4.120	X/LNM	.200 .400
		PHI	-.2890
		135.000	-.2420
		180.000	-.3370
		225.000	-.3350
MACH (2) = 1.240	BETAT (5) = 0.230	X/LNM	.200 .400
		PHI	-.3350
		135.000	-.3040
		180.000	-.3370
		225.000	-.3420

DATE 25 5

TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 02A + 53 + 79 OMS NOZZLE

REFERENCE DATA

SWEP = 2.4210 SQ.FT. XWRP = 28.5300 INCHES
 LWEP = 39.8490 INCHES YWRP = .0000 INCHES
 BWEP = 39.8490 INCHES ZWRP = .0000 INCHES
 SCALE = .0000 SCALE

SECTION (1) OMS NOZZLE

MACH (1) = 1.099 BETAT (1) = -8.200

DEPENDENT VARIABLE CP

X/LNM	PHI
.200	.400
.300	.3080
.400	.1690 - .2680
.500	.4430

MACH (1) = 1.087 BETAT (2) = -4.080

X/LNM	PHI
.200	.400
.300	.0700
.400	.0550 - .3110
.500	.4270

MACH (1) = 1.101 BETAT (3) = .020

X/LNM	PHI
.200	.400
.300	.2990
.400	.2320 - .3720
.500	.3620

MACH (1) = 1.102 BETAT (4) = 4.140

X/LNM	PHI
.200	.400
.300	.3690
.400	.3540 - .3930
.500	.3980

MACH (1) = 1.098 BETAT (5) = 8.280

X/LNM	PHI
.200	.400
.300	.4010
.400	.3670 - .4120
.500	.4190

MACH (2) = 1.248 BETAT (1) = -8.150

X/LNM	PHI
.200	.400
.300	.7420
.400	.4510 - .6990
.500	.3830

MACH (2) = 1.249 BETAT (2) = -4.060

X/LNM	PHI
.200	.400
.300	.3380
.400	.2570 - .1760
.500	.3790

PARAMETRIC DATA

ALPHAT = -4.000 ORBINC = .500
 RUDDER = -10.000 ELEVON = .000
 RUOFLR = .000

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

(RBME23)

AMES 11-707 1A9 OZA + S3 + T9 OMS NOZZLE

SECTION (1) OMS NOZZLE		DEPENDENT VARIABLE CP	
MACH (2) = 1.246	BETAT (3) = .0310	X/LNM	.200 .400
		PHI	
		135.000	-.0950
		180.000	-.0930
		225.000	-.3220
			-.3440
MACH (2) = 1.247	BETAT (4) = 4.120	X/LNM	.200 .400
		PHI	
		135.000	-.2970
		180.000	-.2840
		225.000	-.3390
			-.3340
MACH (2) = 1.246	BETAT (5) = 9.210	X/LNM	.200 .400
		PHI	
		135.000	-.3960
		180.000	-.3100
		225.000	-.3400
			-.3410

(R0ME24) (28 APR 75)

PARAMETRIC DATA

ALPHAT = -2.000 ORBINC = .500
R' ODER = -10.000 ELEVON = .000
RUDFLR = .000

DATE 20 SEP 75
TABULATED PRESSURE DATA - 1A9A
AMES 11-707 1A9 02A + S3 + T9 ONS NOZZLE

REFERENCE DATA

SRP = 2.4210 50.FT. XGRP = 28.5300 INCHES
LREF = 39.8490 INCHES YGRP = .0000 INCHES
BREF = 39.8490 INCHES ZGRP = .0000 INCHES
SCALE = .0350 SCALE

DEPENDENT VARIABLE CP

SECTION (1) ONS NOZZLE		DEPENDENT VARIABLE CP	
MACH (1) = 1.150	BETAT (1) = -0.200	X/LNM	.200 .400
		PHI	.1700
		135.000	.0800
		180.000	-.2530
		225.000	-.4330
MACH (1) = 1.080		X/LNM	
		PHI	.200 .400
		135.000	-.1310
		180.000	-.1180
		225.000	-.4250
MACH (1) = 1.000		X/LNM	
		PHI	.200 .400
		135.000	-.3010
		180.000	-.2890
		225.000	-.3590
MACH (1) = 1.007		X/LNM	
		PHI	.200 .400
		135.000	-.3640
		180.000	-.3570
		225.000	-.3940
MACH (1) = 1.101		X/LNM	
		PHI	.200 .400
		135.000	-.3980
		180.000	-.3890
		225.000	-.4030
MACH (2) = 1.246		X/LNM	
		PHI	.200 .400
		135.000	-.6210
		180.000	-.4080
		225.000	-.3890
MACH (2) = 1.249		X/LNM	
		PHI	.200 .400
		135.000	-.2090
		180.000	-.1560
		225.000	-.3750

DATE 20 SEP 73
TABULATED PRESSURE DATA - 111111
AVES 11-757 1A9 OEA + S3 + T9 OMS NOZZLE

SECTION (1) OMS NOZZLE		DEPENDENT VARIABLE CP	
MACH (2) = 1.249 BETAT (3) = .020	X/LNM	.200	.400
	PHI		
	135.000	-.1030	
	160.000	-.1440	-.3270
	225.000	-.3340	
MACH (2) = 1.249 BETAT (4) = 4.110	X/LNM	.200	.400
	PHI		
	135.000	-.3060	
	160.000	-.3060	-.3320
	225.000	-.3330	
MACH (2) = 1.249 BETAT (5) = 8.800	X/LNM	.200	.400
	PHI		
	135.000	-.3450	
	160.000	-.3060	-.3360
	225.000	-.3900	

DATE 20 SEP 73

(DBME25) (28 APR 73)

TABULATED PRESSURE DATA - IASA
AVES 11-707 1A9 OEA + S3 + T9 OMS NOZZLE

PARAMETRIC DATA

ALPHAT = .700 ORBINC = .500
RUDDER = -10.000 ELEVON = .000
RUDFLR = .000

REFERENCE DATA

SWEP = 2.4210 89.FT. XWRP = 28.5500 INCHES
LWRP = 39.8490 INCHES YWRP = .0000 INCHES
BWRP = 39.8490 INCHES ZWRP = .0000 INCHES
SCALE = .0300 SCALE

DEPENDENT VARIABLE CP

SECTION (1) OMS NOZZLE

MACH (1) = 1.098 BETAT (1) = -0.200
X/LNM .200 .400
PHI
135.000 .0770
180.000 .0090 -0.3100
225.000 -0.4260

MACH (1) = 1.098 BETAT (2) = -4.080
X/LNM .200 .400
PHI
135.000 -0.1860
180.000 -0.1660 -0.3690
225.000 -0.4060

MACH (1) = 1.098 BETAT (3) = .020
X/LNM .200 .400
PHI
135.000 -0.3260
180.000 -0.2950 -0.3700
225.000 -0.3690

MACH (1) = 1.100 BETAT (4) = 4.130
X/LNM .200 .400
PHI
135.000 -0.3710
180.000 -0.3690 -0.3640
225.000 -0.3970

MACH (1) = 1.098 BETAT (5) = 0.260
X/LNM .200 .400
PHI
135.000 -0.4040
180.000 -0.3660 -0.4110
225.000 -0.4090

MACH (2) = 1.246 BETAT (1) = -0.160
X/LNM .200 .400
PHI
135.000 .5490
180.000 .3740 -0.0260
225.000 -0.3650

MACH (2) = 1.246 BETAT (2) = -4.070
X/LNM .200 .400
PHI
135.000 .1320
180.000 .1140 -0.2300
225.000 -0.3670

(R0ME25)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 AVES 11-707 1A9 02A + S3 + T9 OMS NOZZLE

SECTION (1) OMS NOZZLE		DEPENDENT VARIABLE CP	
MACH (2) = 1.249 BETAT (3) = .020	X/LNM	.200	.400
	PHI		
	135.000	-.1820	
	160.000	-.1730	-.3260
	225.000	-.3330	
MACH (2) = 1.251 BETAT (4) = 4.110	X/LNM	.200	.400
	PHI		
	135.000	-.3090	
	160.000	-.3120	-.3310
	225.000	-.3310	
MACH (2) = 1.248 BETAT (5) = 8.200	X/LNM	.200	.400
	PHI		
	135.000	-.3490	
	160.000	-.3110	-.3550
	225.000	-.3540	

DATE 20 SEP 75
 TABULATED PRESSURE DATA - IASA
 ANES 11-707 1AS OEA + SS + T9 ONS NOZZLE

(R0ME216) (28 APR 75)

PARAMETRIC DATA

ALPHAT = 2.000 ORBINC = .500
 RUDDER = -10.000 ELEVON = .000
 RUDFLR = .000

REFERENCE DATA

SRCP = 2.4210 59.5 FT XGRP = 28.5300 INCHES
 LWRP = 39.8490 INCHES YGRP = .0000 INCHES
 BRCP = 39.8490 INCHES ZGRP = .0000 INCHES
 SCALE = .0300 SCALE

SECTION (1) ONS NOZZLE

MACH (1) = 1.099 BETAT (1) = -0.210
 X/LNM .200 .400
 PHI
 135.000 .0250
 180.000 -.0180
 225.000 -.4190

MACH (1) = 1.099 BETAT (2) = -4.080
 X/LNM .200 .400
 PHI
 135.000 -.2140
 180.000 -.3040
 225.000 -.3990

MACH (1) = 1.100 BETAT (3) = .080
 X/LNM .200 .400
 PHI
 135.000 -.3380
 180.000 -.3190
 225.000 -.3720

MACH (1) = 1.101 BETAT (4) = 4.15
 X/LNM .200 .400
 PHI
 135.000 -.3680
 180.000 -.3670
 225.000 -.3910

MACH (1) = 1.098 BETAT (5) = 8.280
 X/LNM .200 .400
 PHI
 135.000 -.3940
 180.000 -.3840
 225.000 -.4120

MACH (2) = 1.247 BETAT (1) = -0.160
 X/LNM .200 .400
 PHI
 135.000 .4180
 180.000 .3420
 225.000 -.3840

MACH (2) = 1.250 BETAT (2) = -4.070
 X/LNM .200 .400
 PHI
 135.000 .0130
 180.000 .0010
 225.000 -.3550

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

(RDM226)

AMES 11-707 1A9 OEA + S3 + T9 OMS NOZZLE

SECTION () OMS NOZZLE		DEPENDENT VARIABLE CP	
MACH (2) = 1.248 BETAT (3) = .020	X/LNM	.200	.400
	PHI		
	135.000	-.2220	
	180.000	-.2170	-.3320
	225.000	-.3270	
MACH (2) = 1.348 BETAT (4) = 4.100	X/LNM	.200	.400
	PHI		
	135.000	-.3020	
	180.000	-.2950	-.3310
	225.000	-.3380	
MACH (2) = 1.247 BETAT (5) = 9.800	X/LNM	.200	.400
	PHI		
	135.000	-.3500	
	180.000	-.3270	-.3680
	225.000	-.3680	

(R8-427) (20 APR 73)

PARAMETRIC DATA

ALPHAT =	4.000	ORBNIC =	.500
RUDDER =	-10.000	ELEVON =	.000
RUDFLR =	.000		

AMES 11-707 IAS OPA + S3 + T9 OMS NOZZLE

AMES 11-707 1A9 02A + S3 + T9 CMS NOZZLE

REFERENCE DATA

SEEF =	2.4210	INCHES	YHP =	28.3300	INCHES
LEEF =	39.6490	INCHES	YHP =	.0000	INCHES
OREF =	39.6490	INCHES	ZHP =	.0000	INCHES
SCALE =	.0300	SCALE			

DEPENDENT VARIABLE CP

SECTION (1) OP3 NOZZLE		DEPENDENT VARIABLE C	
MACH (1) = 1.597	BETAT (1) = -0.200	X/LNM	.400
		PHI	.200
		135.000	.2080
		180.000	.0280
		225.000	-.4370
			-.3180

NAME	COEFF	STD	STAT	PROB
INTER	1.0000	.0000	1.0000	.0000
AGE	-.0000	.0000	-.0000	.0000
AGE ²	.0000	.0000	.0000	.0000
AGE ³	.0000	.0000	.0000	.0000
AGE ⁴	.0000	.0000	.0000	.0000
AGE ⁵	.0000	.0000	.0000	.0000
AGE ⁶	.0000	.0000	.0000	.0000
AGE ⁷	.0000	.0000	.0000	.0000
AGE ⁸	.0000	.0000	.0000	.0000
AGE ⁹	.0000	.0000	.0000	.0000
AGE ¹⁰	.0000	.0000	.0000	.0000
AGE ¹¹	.0000	.0000	.0000	.0000
AGE ¹²	.0000	.0000	.0000	.0000
AGE ¹³	.0000	.0000	.0000	.0000
AGE ¹⁴	.0000	.0000	.0000	.0000
AGE ¹⁵	.0000	.0000	.0000	.0000
AGE ¹⁶	.0000	.0000	.0000	.0000
AGE ¹⁷	.0000	.0000	.0000	.0000
AGE ¹⁸	.0000	.0000	.0000	.0000
AGE ¹⁹	.0000	.0000	.0000	.0000
AGE ²⁰	.0000	.0000	.0000	.0000
AGE ²¹	.0000	.0000	.0000	.0000
AGE ²²	.0000	.0000	.0000	.0000
AGE ²³	.0000	.0000	.0000	.0000
AGE ²⁴	.0000	.0000	.0000	.0000
AGE ²⁵	.0000	.0000	.0000	.0000
AGE ²⁶	.0000	.0000	.0000	.0000
AGE ²⁷	.0000	.0000	.0000	.0000
AGE ²⁸	.0000	.0000	.0000	.0000
AGE ²⁹	.0000	.0000	.0000	.0000
AGE ³⁰	.0000	.0000	.0000	.0000
AGE ³¹	.0000	.0000	.0000	.0000
AGE ³²	.0000	.0000	.0000	.0000
AGE ³³	.0000	.0000	.0000	.0000
AGE ³⁴	.0000	.0000	.0000	.0000
AGE ³⁵	.0000	.0000	.0000	.0000
AGE ³⁶	.0000	.0000	.0000	.0000
AGE ³⁷	.0000	.0000	.0000	.0000
AGE ³⁸	.0000	.0000	.0000	.0000
AGE ³⁹	.0000	.0000	.0000	.0000
AGE ⁴⁰	.0000	.0000	.0000	.0000
AGE ⁴¹	.0000	.0000	.0000	.0000
AGE ⁴²	.0000	.0000	.0000	.0000
AGE ⁴³	.0000	.0000	.0000	.0000
AGE ⁴⁴	.0000	.0000	.0000	.0000
AGE ⁴⁵	.0000	.0000	.0000	.0000
AGE ⁴⁶	.0000	.0000	.0000	.0000
AGE ⁴⁷	.0000	.0000	.0000	.0000
AGE ⁴⁸	.0000	.0000	.0000	.0000
AGE ⁴⁹	.0000	.0000	.0000	.0000
AGE ⁵⁰	.0000	.0000	.0000	.0000
AGE ⁵¹	.0000	.0000	.0000	.0000
AGE ⁵²	.0000	.0000	.0000	.0000
AGE ⁵³	.0000	.0000	.0000	.0000
AGE ⁵⁴	.0000	.0000	.0000	.0000
AGE ⁵⁵	.0000	.0000	.0000	.0000
AGE ⁵⁶	.0000	.0000	.0000	.0000
AGE ⁵⁷	.0000	.0000	.0000	.0000
AGE ⁵⁸	.0000	.0000	.0000	.0000
AGE ⁵⁹	.0000	.0000	.0000	.0000
AGE ⁶⁰	.0000	.0000	.0000	.0000
AGE ⁶¹	.0000	.0000	.0000	.0000
AGE ⁶²	.0000	.0000	.0000	.0000
AGE ⁶³	.0000	.0000	.0000	.0000
AGE ⁶⁴	.0000	.0000	.0000	.0000
AGE ⁶⁵	.0000	.0000	.0000	.0000
AGE ⁶⁶	.0000	.		

WACH (1) =	1.100	BETAT (3) =	.000	X/LNH	.200	.400
				PHI		
				135.000	-3.460	
				180.000	-3190	-3670
				225.000	-3720	

WACH (1) = 1.088	SEIAT (4) = 4.140		
		X/LIN4	.400
		PHI	.200
		135.000	-.3720
		160.000	-.3690
		225.000	-.3910
			-.3780

WADCH (1) = 1.103	BETAT (5) = 0.260		
		K/LUM	.200 .400
		PHI	
		135.000	-.3900
		160.000	-.3930
		225.000	-.4160
			-.4190

NUCH (2) = 1.209	BETAT (1) = -0.150	X/L44	.200	.400
		PHI		
		135.000	.2570	
		180.000	.2640	-.1490
		225.000	-.3610	

```

MACH ( 2 ) = 1.207  BETAT ( 2 ) = -4.060
X/LUM          .200  .400
PHI
195.160        -.0510
180.180        -.0590
22.1920        -.3580

```

DATE 26 SEP 73 TABULATED PRESSURE DATA - 1A9A
 AMES 11-707 1A9 ORA - S3 + T9 ONS NOZZLE (RDME27)

SECTION (1) ONS NOZZLE		DEPENDENT VARIABLE CP	
MACH (2) = 1.249 BETAT (3) = .020		X/LNH .200 .400	
		PHI	
		135.000 -.2590	
		180.000 -.2310	
		225.000 -.3310	
MACH (2) = 1.251 BETAT (4) = 4.110		X/LNH .200 .400	
		PHI	
		135.000 -.3040	
		180.000 -.2980	
		225.000 -.3320	
MACH (2) = 1.246 BETAT (5) = 8.250		X/LNH .200 .400	
		PHI	
		135.000 -.3560	
		180.000 -.3520	
		225.000 -.3700	

(RBM26) (20 APR 75)

PARAMETRIC DATA

ALPHAT = 6.000 ORBINC = .500
 RUDDER = -10.000 ELEVON = .000
 RUOFLR = .000

DATE 20 SEP 75 TABULATED PRESSURE DATA - 1A9A
 AVES 11-707 1A9 OEA + S3 + T9 OMS NOZZLE

REFERENCE DATA

SREF = 2.4210 SQ.FT. XWRP = 28.5300 INCHES
 LREF = 39.8490 INCHES YWRP = .0000 INCHES
 BREF = 39.8490 INCHES ZWRP = .0000 INCHES
 SCALE = .0300 SCALE

DEPENDENT VARIABLE CP

SECTION (1) OMS NOZZLE		DEPENDENT VARIABLE CP	
MACH (1) = 1.099	BETAT (1) = -0.190	X/LNM	PHI
		.200	.400
		.4710	
		135.000	
		180.000	-.2060
		225.000	-.4940
SECTION (1) = 1.099		BETAT (2) = -4.080	
		X/LNM	PHI
		.200	.400
		.4710	
		135.000	-.0630
		180.000	-.2200
		225.000	-.4010
SECTION (1) = 1.099		BETAT (3) = .020	
		X/LNM	PHI
		.200	.400
		.4710	
		135.000	-.3540
		180.000	-.3330
		225.000	-.3670
SECTION (1) = 1.102		BETAT (4) = 4.130	
		X/LNM	PHI
		.200	.400
		.4710	
		135.000	-.3780
		180.000	-.3770
		225.000	-.3870
SECTION (1) = 1.099		BETAT (5) = 0.280	
		X/LNM	PHI
		.200	.400
		.4710	
		135.000	-.4090
		180.000	-.4140
		225.000	-.4130
SECTION (2) = 1.248		BETAT (1) = -0.130	
		X/LNM	PHI
		.200	.400
		.4710	
		135.000	.0910
		180.000	.1810
		225.000	-.2220
SECTION (2) = 1.251		BETAT (2) = -4.060	
		X/LNM	PHI
		.200	.400
		.4710	
		135.000	-.1200
		180.000	-.1970
		225.000	-.3050

(RBM28)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 APES 11-707 1A9 02A + S3 + T9 OMS NOZZLE

SECTION (1) OMS NOZZLE	DEPENDENT VARIABLE C _p		
MACH (2) = 1.249 BETAT (3) = .010	X/LNM	.200	.400
	PHI		
	135.000	-.2630	
	180.000	-.2490	-.3290
	225.000	-.3280	
MACH (2) = 1.245 BETAT (4) = 4.120	X/LNM	.200	.400
	PHI		
	135.000	-.3170	
	180.000	-.3110	-.3380
	225.000	-.3390	
MACH (2) = 1.245 BETAT (5) = 8.630	X/LNM	.200	.400
	PHI		
	135.000	-.3610	
	180.000	-.3630	-.3650
	225.000	-.3700	

(RBM29) (28 APR 73)

PARAMETRIC DATA

ALPHAT = 8.000 ORBINC = .500
 RUDDER = -10.000 ELEVON = .000
 RUDDFLR = .000

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 APES 11-707 1A9 02A + S3 + T9 OMS NOZZLE

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.9300 INCHES
 LREF = 39.8495 INCHES YMRP = .0000 INCHES
 BREF = 39.8495 INCHES ZMRP = .0000 INCHES
 SCALE = .0310 SCALE

DEPENDENT VARIABLE CP

SECTION (1) OMS NOZZLE		DEPENDENT VARIABLE CP	
MACH (1) = 1.096	BETAT (1) = -0.160	X/LNM	.200 .400
		PHI	
		135.000	.2540
		180.000	.0230
		225.000	-.2160
			-.4820
MACH (1) = 1.096	BETAT (2) = -4.070	X/LNM	.200 .400
		PHI	
		135.000	.0420
		180.000	-.1230
		225.000	-.3310
			-.4210
MACH (1) = 1.096	BETAT (3) = .020	X/LNM	.200 .400
		PHI	
		135.000	-.3290
		180.000	-.3280
		225.000	-.3760
			-.3760
MACH (1) = 1.096	BETAT (4) = 4.150	X/LNM	.200 .400
		PHI	
		135.000	-.3810
		180.000	-.3780
		225.000	-.3850
			-.3950
MACH (1) = 1.096	BETAT (5) = 6.310	X/LNM	.200 .400
		PHI	
		135.000	-.4100
		180.000	-.4220
		225.000	-.4210
			-.4280
MACH (2) = 1.247	BETAT (1) = -0.100	X/LNM	.200 .400
		PHI	
		135.000	-.1630
		180.000	.0460
		225.000	-.3710
			-.3710
MACH (2) = 1.249	BETAT (2) = -4.140	X/LNM	.200 .400
		PHI	
		135.000	-.1930
		180.000	-.1460
		225.000	-.3180
			-.3550

(RBM29)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 AMES 11-707 1-9 OCA + S3 + 19 OMS NOZZLE

SECTION (1) OMS NOZZLE		DEPENDENT VARIABLE CP	
MACH (2) = 1.249	BETAT (3) = .025	X/LNM	.200
		PHI	.400
		135.000	-.2975
		180.000	-.2520
		225.000	-.3320
MACH (2) = 1.249	BETAT (4) = 4.130	X/LNM	.200
		PHI	.400
		135.000	-.3240
		180.000	-.3190
		225.000	-.3380
MACH (2) = 1.246	BETAT (5) = 8.290	X/LNM	.200
		PHI	.400
		135.000	.0000
		180.000	-.0090
		225.000	-.3650

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

(RBHES0) (28 APR 73)

AXES 11-707 1A9 02A + S3 + T9 OMS NOZZLE

PARAMETRIC DATA

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 26.9300 INCHES
 LREF = 39.0490 INCHES YMRP = .0000 INCHES
 BREF = 39.0490 INCHES ZMRP = .0000 INCHES
 SCALE = .0300 SCALE

ALPHAT = -8.000 ORBINC = .500
 RUDDER = -15.000 ELEVON = .000
 RUOFLR = .000

DEPENDENT VARIABLE CP

SECTION (1) OMS NOZZLE	X/LNM	PHI
MACH (1) = 1.101 BETAT (1) = -0.180	.200	.400
	135.000	.0600
	180.000	.4190
	225.000	-.9070
MACH (1) = 1.102 BETAT (2) = -0.080	.200	.400
	135.000	.0940
	180.000	.1080
	225.000	-.4450
MACH (1) = 1.102 BETAT (3) = .020	.200	.400
	135.000	-.2460
	180.000	-.1490
	225.000	-.4100
MACH (1) = 1.100 BETAT (4) = 4.160	.200	.400
	135.000	-.3710
	180.000	-.3290
	225.000	-.4040
MACH (1) = 1.102 BETAT (5) = 0.310	.200	.400
	135.000	-.4240
	180.000	-.4110
	225.000	-.4270
MACH (2) = 1.244 BETAT (1) = -0.130	.200	.400
	135.000	.0560
	180.000	.4900
	225.000	-.3540
MACH (2) = 1.245 BETAT (2) = -4.050	.200	.400
	135.000	.6000
	180.000	.4260
	225.000	-.3670

DATE 20 SEP 73
TABULATED PRESSURE DATA - 1A9A
AMES 11-707 1A9 ORA + S3 + T9 OMS NOZZLE

SECTION (1) OMS NOZZLE		DEPENDENT VARIABLE CP	
MACH (2) = 1.249 BETAT (3) = .020	X/LNM	.200	.400
	PHI		
	135.000	-.0350	
	180.000	.0330	-.3090
	225.000	-.3680	
MACH (2) = 1.245 BETAT (4) = 4.130	X/LNM	.200	.400
	PHI		
	135.000	-.2790	
	180.000	-.2210	-.3350
	225.000	-.3380	
MACH (2) = 1.267 BETAT (5) = 8.250	X/LNM	.200	.400
	PHI		
	135.000	-.3450	
	180.000	.3030	-.3900
	225.000	.3580	

(28 APR 73)

PARAMETRIC DATA

ALPHAT =	-6.000	ORBNIC =	.900
RUDDER =	-15.000	ELEVON =	.000
RUDDFL =	.000		

REFERENCE DATA

LENGTH =	2.4210	50. FT.	WARP =	20.9300	INCHES
LEAF =	39.0490	INCHES	WARP =	.0000	INCHES
BREIF =	39.0490	INCHES	ZWARP =	.0000	INCHES
SCALE =	.0300	SCALE			

DEPENDENT VARIABLE CP

SECTION (1)	NOZZLE	DEPENDENT VARIABLE (1)
1	1	0.000
2	2	0.000
3	3	0.000
4	4	0.000
5	5	0.000
6	6	0.000
7	7	0.000
8	8	0.000
9	9	0.000
10	10	0.000
11	11	0.000
12	12	0.000
13	13	0.000
14	14	0.000
15	15	0.000
16	16	0.000
17	17	0.000
18	18	0.000
19	19	0.000
20	20	0.000
21	21	0.000
22	22	0.000
23	23	0.000
24	24	0.000
25	25	0.000
26	26	0.000
27	27	0.000
28	28	0.000
29	29	0.000
30	30	0.000
31	31	0.000
32	32	0.000
33	33	0.000
34	34	0.000
35	35	0.000
36	36	0.000
37	37	0.000
38	38	0.000
39	39	0.000
40	40	0.000
41	41	0.000
42	42	0.000
43	43	0.000
44	44	0.000
45	45	0.000
46	46	0.000
47	47	0.000
48	48	0.000
49	49	0.000
50	50	0.000
51	51	0.000
52	52	0.000
53	53	0.000
54	54	0.000
55	55	0.000
56	56	0.000
57	57	0.000
58	58	0.000
59	59	0.000
60	60	0.000
61	61	0.000
62	62	0.000
63	63	0.000
64	64	0.000
65	65	0.000
66	66	0.000
67	67	0.000
68	68	0.000
69	69	0.000
70	70	0.000
71	71	0.000
72	72	0.000
73	73	0.000
74	74	0.000
75	75	0.000
76	76	0.000
77	77	0.000
78	78	0.000
79	79	0.000
80	80	0.000
81	81	0.000
82	82	0.000
83	83	0.000
84	84	0.000
85	85	0.000
86	86	0.000
87	87	0.000
88	88	0.000
89	89	0.000
90	90	0.000
91	91	0.000
92	92	0.000
93	93	0.000
94	94	0.000
95	95	0.000
96	96	0.000
97	97	0.000
98	98	0.000
99	99	0.000
100	100	0.000

	BATCH (1) = 1.101	BETAY (1) = -8.190	X/LDM	.200	.400
			FH1		
			135.0000	.6800	
			180.0000	.3150	-.2150
			995.0000	-.4850	

SEARCH (1) =	1.101	BETAT (2) =	-4.080
		PHI	
		135.000	.0190
		180.000	.0250
		225.000	-.4370
			-.3400
			.200
			.400

WACH (1) = 1.050	BETAT (3) =	X/LNH	.210	.400
		PHI		
		135.000	- .2850	
		160.000	- .2030	
		225.000	- .3780	
				- .3710

WAGON (1) = 1.098	BETAT (4) = 4.140	X/LNM	.200	.400
		PMT		
		135.000	-.3700	
		180.000	-.3290	-.3950
		225.000	-.3980	

COORD (1) = 1.097	BETAT (5) = 0.260	X/LNM	.200	.400
		PHI		
		135.000	-.4170	
		180.000	-.6000	-.4130
		225.000	-.4170	

BOUCH (2) = 1.247	DETAT (1) = -0.140				
		X/LNM		.210	.400
		PHI			
		135.000		.6160	
		180.000		.4740	.2060
		225.000		-.3760	

PARAMETER	ESTIMATE	STANDARD ERROR	TEST	PROBABILITY
INTERCEPT	1.246	0.060	20.60	0.0001
AGE	0.000	0.000	0.00	1.0000
SEX	0.000	0.000	0.00	1.0000
EDUCATION	0.000	0.000	0.00	1.0000
INCOME	0.000	0.000	0.00	1.0000
RELIGION	0.000	0.000	0.00	1.0000
POLITICAL	0.000	0.000	0.00	1.0000
ETHNICITY	0.000	0.000	0.00	1.0000
REGION	0.000	0.000	0.00	1.0000
TIME	0.000	0.000	0.00	1.0000
CONSTANT	1.246	0.060	20.60	0.0001

DATE 20 SEP 73

TABULATED PRESSURE DATA - IASA

(RBM31)

AMES 11-707 1A9 OBA + S3 + T9 OMS NOZZLE

SECTION (1) OMS NOZZLE		DEPENDENT VARIABLE CP	
MACH (2) = 1.231 BETAT (3) = .020	X/LNH	.200	.400
	PHI		
	135.000	-.0760	
	160.000	-.0160	-.3170
	225.000	-.3600	
MACH (2) = 1.231 BETAT (4) = 4.120	X/LNH	.200	.400
	PHI		
	135.000	-.2910	
	160.000	-.2410	-.3360
	225.000	-.3360	
MACH (2) = 1.230 BETAT (5) = 8.230	X/LNH	.200	.400
	PHI		
	135.000	-.3360	
	160.000	-.2990	-.3430
	225.000	-.3440	

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

AKES 11-707 1A9 02A + S3 + T9 ONS NOZZLE

REFERENCE DATA

REF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
 LREF = 39.8490 INCHES YMRP = .0000 INCHES
 BREF = 39.8490 INCHES ZMRP = .4000 INCHES
 SCALE = .03000 SCALE

SECTION (1) ONS NOZZLE

DEPENDENT VARIABLE C°

MACH (1) = 1.100 BETAT (1) = -0.800

X/LNM	PHI	X/LNM	PHI
.200	.400	.200	.400
.3310	.3310	.3310	.3310
.1760	.1760	.1760	.1760
.2640	.2640	.2640	.2640
.225.000	.225.000	.225.000	.225.000

MACH (1) = 1.098 BETAT (2) = -4.080

X/LNM	PHI	X/LNM	PHI
.200	.400	.200	.400
.0700	.0700	.0700	.0700
.0550	.0550	.0550	.0550
.3560	.3560	.3560	.3560
.225.000	.225.000	.225.000	.225.000

MACH (1) = 1.100 BETAT (3) = .080

X/LNM	PHI	X/LNM	PHI
.200	.400	.200	.400
.2880	.2880	.2880	.2880
.2310	.2310	.2310	.2310
.3740	.3740	.3740	.3740
.225.000	.225.000	.225.000	.225.000

MACH (1) = 1.101 BETAT (4) = 4.130

X/LNM	PHI	X/LNM	PHI
.200	.400	.200	.400
.3700	.3700	.3700	.3700
.3550	.3550	.3550	.3550
.3940	.3940	.3940	.3940
.225.000	.225.000	.225.000	.225.000

MACH (1) = 1.101 BETAT (5) = 0.260

X/LNM	PHI	X/LNM	PHI
.200	.400	.200	.400
.4050	.4050	.4050	.4050
.3870	.3870	.3870	.3870
.4010	.4010	.4010	.4010
.225.000	.225.000	.225.000	.225.000

MACH (2) = 1.249 BETAT (1) = -0.150

X/LNM	PHI	X/LNM	PHI
.200	.400	.200	.400
.7430	.7430	.7430	.7430
.4520	.4520	.4520	.4520
.1160	.1160	.1160	.1160
.225.000	.225.000	.225.000	.225.000

MACH (2) = 1.250 BETAT (2) = -4.080

X/LNM	PHI	X/LNM	PHI
.200	.400	.200	.400
.3790	.3790	.3790	.3790
.2740	.2740	.2740	.2740
.1680	.1680	.1680	.1680
.225.000	.225.000	.225.000	.225.000

(RMED32) (28 APR 73)

PARAMETRIC DATA

ALPHAT = -4.000 ORBINC = .500
 RUDDER = -15.000 ELEVON = .500
 RUOFLR = .000

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A

AVES 11-707 1A9 OEA + S3 + T8 OMS NOZZLE

(R8ME32)

DEPENDENT VARIABLE CP

SECTION (1) OMS NOZZLE

MACH (2) = 1.250 BETAT (3) = .020

X/LNM	PHI	CP
.200	.400	
135.000	-.1150	
150.000	-.0840	-.3220
225.000	-.3310	

MACH (2) = 1.246 BETAT (4) = 4.110

X/LNM	PHI	CP
.200	.400	
135.000	-.2970	
180.000	-.2900	-.3370
225.000	-.3370	

MACH (2) = 1.246 BETAT (5) = 8.210

X/LNM	PHI	CP
.200	.400	
135.000	-.3380	
180.000	-.3120	-.3430
225.000	-.3430	

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

APPROX. 14-2000 1A9 CPA + 93 + T9 OMS NOZZLE

REFERENCE DATA

SECT =	2.4210 94.FT.	YARP =	29.5300 INCHES
LEV =	39.6490 INCHES	YARP =	.0000 INCHES
LEV =	39.6490 INCHES	ZARP =	.0000 INCHES
SCALE =	.0300 SCALE		

DEPENDENT VARIABLE Q²

SECTION (1) OWS NOZZLE	DEPENDENT VARIABLE
WACH (1) = 1.102 BETAY (1) = -0.200	
	X/1144
	PHI
	135.000
	180.000
	225.000
	-.4360
	-.2900
	-.600

INACH (1) = 1.101	BETAT (2) = -4.050	1/144	.800	.400
		PHI		
		135.000	-.1800	
		180.000	-.1060	-.3610
		225.000	-.4190	

WACH	(1) = 1.100	BETAT (3) = .020	X/LNM	.200	.400
			PRI		
			135.000	-.3090	
			160.000	-.2560	
			225.000	-.3690	
					-.3700

NAME	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
NAME	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

WACH	(1) = 1.039	BETAT (5) = 0.220	X/LNM	.200	.400
			PW		
			135,000	-.4020	
			180,000	-.3950	-.4140
			225,000	-.4050	

WACOH (2) = 1.247	BETAT (1) = -0.120	X/LIM	.200	.400
		PM		
		135.140	.6200	
		180.140	.4050	.0060
		225.140	-.3870	

WACH (2) = 1.246	BETAT (2) = -4.060	X/LNM	.214	.000
		FBI	.259	
		135.144	.259	
		101.044	.183	-.190
		225.144	-.307	

PARAMETRIC DATA

ALPHAT =	-2.000	CRABINC =	.900
RUDDER =	-19.000	ELEVON =	.000
RUDELFL =	.000		

DATE 20 SEP 75
TABULATED PRESSURE DATA - 1A9A
AXES 11-707 1A9 02A + S3 + T9 OMS NOZZLE

SECTION: (1) OMS NOZZLE		DEPENDENT VARIABLE CP	
MACH (2) = 1.250 BETAT (3) = .020	X/LNM	.200	.400
	PHI	-.1490	
	135.000	-.1390	-.3290
	180.000	-.3360	
	225.000		
MACH (2) = 1.250 BETAT (4) = 4.110	X/LNM	.200	.400
	PHI	-.3040	
	135.000	-.3070	-.3310
	180.000	-.3360	
	225.000		
MACH (2) = 1.248 BETAT (5) = 0.200	X/LNM	.200	.400
	PHI	-.3390	
	135.000	-.3080	-.3460
	180.000	-.3450	
	225.000		

(RBM34) (28 APR 73)

PARAMETRIC DATA

ALPHAT = .00' ORBINC = .500
 RUDDER = -15.000 ELEVON = .000
 RUFLR = .000

TABULATED PRESSURE DATA - 1A9A

ANES 11-707 1A9 02A + S3 + T9 ONS NOZZLE

REFERENCE DATA

SRF = 2.4210 98.FT. XMRP = 28.5300 INCHES
 LRD = 39.8490 INCHES YMRP = .0000 INCHES
 BRP = 39.8490 INCHES ZMRP = .0000 INCHES
 SCALE = .0000 SCALE

DEPENDENT VARIABLE CP

SECTION (1) ONS NOZZLE		X/LNM	.200	.400
MACH (1) = 1.087 BETAT (1) = -0.200		PHI	.1010	-.3020
		135.000	.0490	-.3020
		180.000	-.4330	
		225.000		
MACH (1) = 1.100 BETAT (2) = -4.090		X/LNM	.200	.400
		PHI	-.1630	
		135.000	-.1500	-.3610
		180.000	-.4140	
		225.000		
MACH (1) = 1.099 BETAT (3) = .080		X/LNM	.200	.400
		PHI	-.3180	
		135.000	-.2970	-.3730
		180.000	-.3650	
		225.000		
MACH (1) = 1.100 BETAT (4) = 4.130		X/LNM	.200	.400
		PHI	-.3730	
		135.000	-.3700	-.3640
		180.000	-.3970	
		225.000		
MACH (1) = 1.099 BETAT (5) = 0.250		X/LNM	.200	.400
		PHI	-.4030	
		135.000	-.3850	-.4110
		180.000	-.4090	
		225.000		
MACH (2) = 1.249 BETAT (1) = -0.160		X/LNM	.200	.400
		PHI	.5410	
		135.000	.3760	-.0340
		180.000	-.3660	
		225.000		
MACH (2) = 1.250 BETAT (2) = -4.070		X/LNM	.200	.400
		PHI	.1620	
		135.000	.1150	-.2260
		180.000	-.3800	
		225.000		

SECTION (1) Q48 NOZZLE

MACH (2) = 1.249 BETAT (3) = .020

DEPENDENT VARIABLE CP	
X/LNM	.200 .400
PHI	
135.000	-.1850
160.000	-.1770
225.000	-.3270
	-.3350

MACH (2) = 1.249 BETAT (4) = 4.110

X/LNM	.200 .400
PHI	
135.000	-.2660
160.000	-.2580
225.000	-.3320
	-.3330

MACH (2) = 1.247 BETAT (5) = 9.800

X/LNM	.200 .400
PHI	
135.000	-.3450
160.000	-.3180
225.000	-.3560
	-.3520

(RBME35) (28 APR 73)

DATE 20 SEP 72 TABULATED PRESSURE DATA - 1A9A
AMES 11-707 1A9 02A + S3 + T9 ONS NOZZLE

PARAMETRIC DATA

ALPHAT = 2.000 ORBINC = .500
RUDDER = -15.000 ELEVON = .000
RUDDFLR = .000

REFERENCE DATA

3REF = 2.4210 98.FT. 30RP = 28.5300 INCHES
1REF = 39.8490 INCHES 10RP = .0000 INCHES
2REF = 39.8490 INCHES 20RP = .0000 INCHES
SCALE = .0000 SCALE

DEPENDENT VARIABLE CP

SECTION (1) ONS NOZZLE

MACH (1) = 1.102	BETAT (1) = -8.210	X/LNM	PHI	.200	.400
		135.000		.0400	
		180.000		-.0090	-.3150
		225.000		-.4290	
MACH (1) = 1.095	BETAT (2) = -4.090	X/LNM	PHI	.200	.400
		135.000		-.2110	
		180.000		-.2080	-.3680
		225.000		-.4010	
MACH (1) = 1.099	BETAT (3) = .020	X/LNM	PHI	.200	.400
		135.000		-.3320	
		180.000		-.3210	-.3730
		225.000		-.3740	
MACH (1) = 1.103	BETAT (4) = 4.130	X/LNM	PHI	.200	.400
		135.000		-.3690	
		180.000		-.3690	-.3800
		225.000		-.3980	
MACH (1) = 1.106	BETAT (5) = 8.250	X/LNM	PHI	.200	.400
		135.000		-.4010	
		180.000		-.3910	-.4150
		225.000		-.4180	
MACH (2) = 1.248	BETAT (1) = -8.160	X/LNM	PHI	.200	.400
		135.000		.4050	
		180.000		.3420	-.0830
		225.000		-.3680	
MACH (2) = 1.244	BETAT (2) = -4.070	X/LNM	PHI	.200	.400
		135.000		.1150	
		180.000		-.1610	-.2740
		225.000		-.3610	

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A
ANES 11-707 1A9 02A + S3 + T9 OMS NOZZLE

(RBM335)

SECTION (1) OMS NOZZLE		DEPENDENT VARIABLE CP	
MACH (2) = 1.250	BETAT (3) = .020	X/LNM .200 .400	
		PHI	
		135.000	-.2190
		180.000	-.2200
		225.000	-.3370
			-.3340
MACH (2) = 1.248	BETAT (4) = 4.100	X/LNM .200 .400	
		PHI	
		135.000	-.2090
		180.000	-.2990
		225.000	-.3310
			-.3290
MACH (2) = 1.248	BETAT (5) = 9.500	X/LNM .200 .400	
		PHI	
		135.000	-.3500
		180.000	-.3250
		225.000	-.3600
			-.3630

(RBM36) (28 APR 73)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
AVES 11-707 1A9 02A + S3 + T9 OMS NOZZLE

PARAMETRIC DATA

ALPHAT = 4.000 ORBINC = .500
RUPPER = -15.000 ELEVON = .000
RUDFLR = .000

REFERENCE DATA

SRFP = 2.4210 SQ.FT. XGRP = 28.5300 INCHES
LREF = 39.8490 INCHES YGRP = .0000 INCHES
BREF = 39.8490 INCHES ZGRP = .0000 INCHES
SCALE = .0300 SCALE

SECTION (1) OMS NOZZLE DEPENDENT VARIABLE CP

MACH (1) = 1.103	BETAT (1) = -8.200	X/LNM	.200	.400
		PHI		
		135.000	.4460	
		180.000	.0670	-.3060
		225.000	-.4520	
MACH (1) = 1.099	BETAT (2) = -4.090	X/LNM	.200	.400
		PHI		
		135.000	-.2760	
		180.000	-.2550	-.3700
		225.000	-.3630	
MACH (1) = 1.098	BETAT (3) = .020	X/LNM	.200	.400
		PHI		
		135.000	-.3490	
		180.000	-.3250	-.3710
		225.000	-.3760	
MACH (1) = 1.098	BETAT (4) = 4.140	X/LNM	.200	.400
		PHI		
		135.000	-.3740	
		180.000	-.3680	-.3760
		225.000	-.3920	
MACH (1) = 1.100	BETAT (5) = 8.260	X/LNM	.200	.400
		PHI		
		135.000	-.3970	
		180.000	-.3940	-.4170
		225.000	-.4170	
MACH (2) = 1.248	BETAT (1) = -8.150	X/LNM	.200	.400
		PHI		
		135.000	.2640	
		180.000	.2730	-.1510
		225.000	-.3790	
MACH (2) = 1.249	BETAT (2) = -4.060	X/LNM	.200	.400
		PHI		
		135.000	-.1280	
		180.000	-.0390	-.2890
		225.000	-.3590	

(RBWE36)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
AMES 11-707 1A9 02A + S3 + T9 OMS NOZZLE

SECTION (1) OMS NOZZLE

MACH (2) = 1.249 BETAT (3) = .515
DEPENDENT VARIABLE CP
X/LNM .270 .400
PHI
135.000 -.2560
180.000 -.2320
225.000 -.3290

MACH (2) = 1.245 BETAT (4) = 4.110
X/LNM .200 .400
PHI
135.000 -.3070
180.000 -.3060
225.000 -.3360

MACH (2) = 1.246 BETAT (5) = 8.210
X/LNM .200 .400
PHI
135.000 -.3540
180.000 -.3900
225.000 -.3680

DATE 20 SEP 75

TABULATED PRESSURE DATA - 1A9A

(RBM37) (20 APR 75)

AMES 11-757 1A9 02A + S3 + T9 OMS NOZZLE

REFERENCE DATA

SWEP = 2.4210 INCHES
 LREF = 39.0490 INCHES
 SWEP = 39.0490 INCHES
 SCALE = .0000 SCALE

PARAMETRIC DATA

ALPHAT = 6.000 ORBINC = .900
 RUDDER = -15.000 ELEVON = .000
 RUDDLR = .000

DEPENDENT VARIABLE CP

SECTION (1) OMS NOZZLE

MACH (1) = 1.100 BETAT (1) = -0.180
 X/LNM .200 .400
 PHI
 135.000 .5000
 180.000 .1450
 225.000 -.4940

MACH (1) = 1.100 BETAT (2) = -4.080

X/LNM .200 .400
 PHI
 135.000 -.0290
 180.000 -.2270
 225.000 -.4010

MACH (1) = 1.098 BETAT (3) = .010

X/LNM .200 .400
 PHI
 135.000 -.3570
 180.000 -.3370
 225.000 -.3700

MACH (1) = 1.100 BETAT (4) = 4.140

X/LNM .200 .400
 PHI
 135.000 -.3840
 180.000 -.3840
 225.000 -.3090

MACH (1) = 1.098 BETAT (5) = 6.280

X/LNM .200 .400
 PHI
 135.000 -.4030
 180.000 -.4140
 225.000 -.4210

MACH (2) = 1.247 BETAT (1) = -0.130

X/LNM .200 .400
 PHI
 135.000 .1680
 180.000 .1760
 225.000 -.2230

MACH (2) = 1.248 BETAT (2) = -4.050

X/LNM .200 .400
 PHI
 135.000 -.1240
 180.000 -.1140
 225.000 -.3640

DATE 25 SEP 73

TABULATED PRESSURE DATA - 1A9A

AXES 11-70" 1A9 02A + S3 + T9 OMS NOZZLE

(RBM37)

SECTION (1) OMS NOZZLE	DEPENDENT VARIABLE CP		
MACH (2) = 1.247 BETAT (3) = .120	X/LNM	.200	.400
	PHI		
	135.000	-.2800	
	160.000	-.2470	-.3280
	225.000	-.3280	
MACH (2) = 1.232 BETAT (4) = 4.120	X/LNM	.200	.400
	PHI		
	135.000	-.3150	
	160.000	-.3110	-.3400
	225.000	-.3390	
MACH (2) = 1.247 BETAT (5) = 8.220	X/LNM	.200	.400
	PHI		
	135.000	-.3560	
	160.000	-.3570	-.3640
	225.000	-.3670	

DATE 20 SEP 73 TABULATED PRESSURE DATA - IASA
 ANES 11-707 1AS C2A + S3 + T9 CWS NOZZLE

(RME36) (28 APR 73)

PARAMETRIC DATA

ALPHAT = 0.000 ORBINC = .500
 RUDDER = -15.000 ELEVON = .000
 RUOFLR = .000

REFERENCE DATA

SWEP = 2.4210 DEG. XMRP = 28.5300 INCHES
 LMRP = 39.8490 INCHES YMRP = .0000 INCHES
 SWEP = 39.8490 INCHES ZMRP = .0000 INCHES
 SCALE = .0000 SCALE

SECTION (1) CWS NOZZLE		DEPENDENT VARIABLE CP	
MACH (1) = 1.000	BETAT (1) = -0.170	X/LNM	.200 .400
		PHI	
		135.000	.3050
		180.000	.0420 -.2140
		225.000	-.4890
MACH (1) = 1.000	BETAT (2) = -0.070	X/LNM	.200 .400
		PHI	
		135.000	.0570
		180.000	-.0980 -.3310
		225.000	-.4280
MACH (1) = 1.000	BETAT (3) = .000	X/LNM	.200 .400
		PHI	
		135.000	-.3240
		180.000	-.3250 -.3740
		225.000	-.5800
MACH (1) = 1.000	BETAT (4) = 4.180	X/LNM	.200 .400
		PHI	
		135.000	-.3660
		180.000	-.3670 -.3680
		225.000	-.4040
MACH (1) = 1.007	BETAT (5) = 0.310	X/LNM	.200 .400
		PHI	
		135.000	-.4120
		180.000	-.4170 -.4230
		225.000	-.4210
MACH (2) = 1.245	BETAT (1) = -0.110	X/LNM	.200 .400
		PHI	
		135.000	-.0530
		180.000	.0450 -.2850
		225.000	-.3730
MACH (2) = 1.251	BETAT (2) = -0.040	X/LNM	.200 .400
		PHI	
		135.000	-.1900
		180.000	-.1320 -.3210
		225.000	-.3610

AVES 11-707 1A9 OEA + S3 + T9 OMS NOZZLE

SECTION (1) OMS NOZZLE	DEPENDENT VARIABLE CP	
MACH (2) = 1.246 BETAT (3) = .020	X/LNH .200 .400	
	PHI	
	135.000 -.2990	
	160.000 -.3290	
	225.000 -.3290	
MACH (2) = 1.245 BETAT (4) = 4.130	X/LNH .200 .400	
	PHI	
	135.000 -.3290	
	160.000 -.3200	
	225.000 -.3420	
MACH (2) = 1.243 BETAT (5) = 9.250	X/LNH .200 .400	
	PHI	
	135.000 -.3570	
	160.000 -.3570	
	225.000 -.3630	

DATE 20 SEP 73
 TABULATED PRESSURE DATA - 1A9A
 APES 11-707 1A9 02A + S3 + T9 CNG NOZZLE

(R0ME39) (28 APR 73)

PARAMETRIC DATA

ALPHAT = -8.000 ORBINC = .900
 RUDDER = -5.000 ELEVON = .000
 RUOFLR = .000

REFERENCE DATA

REF = 2.0210 90.57. 100P = 20.5300 INCHES
 LREF = 39.8490 INCHES 100P = .0000 INCHES
 REF = 39.8490 INCHES 200P = .0000 INCHES
 SCALE = .0000 SCALE

DEPENDENT VARIABLE CP

SECTION (1) CNG NOZZLE	X/LNM	.200	.400
MACH (1) = 1.105 BETAT (1) = -0.180	PHI	.0380	
	135.000	.4030	-.1270
	180.000		
	225.000	-.5180	
MACH (1) = 1.087 BETAT (2) = -0.070	X/LNM	.200	.400
	PHI	.0830	
	135.000	.0870	-.3420
	180.000		
	225.000	-.4440	
MACH (1) = 1.088 BETAT (3) = .080	X/LNM	.200	.400
	PHI	-.2030	
	135.000	-.1880	-.3680
	180.000		
	225.000	-.3980	
MACH (1) = 1.104 BETAT (4) = 4.180	X/LNM	.200	.400
	PHI	-.3770	
	135.000	-.3290	-.4010
	180.000		
	225.000	-.4090	
MACH (1) = 1.089 BETAT (5) = 8.310	X/LNM	.200	.400
	PHI	-.4230	
	135.000	-.4130	-.4180
	180.000		
	225.000	-.4330	
MACH (2) = 1.251 BETAT (1) = -0.120	X/LNM	.200	.400
	PHI	.0560	
	135.000	.4920	.3130
	180.000		
	225.000	-.3540	
MACH (2) = 1.249 BETAT (2) = -0.050	X/LNM	.200	.400
	PHI	.5670	
	135.000	.8120	-.1140
	180.000		
	225.000	-.3810	

DATE 20 SEP 73

TABULATED PRESSURE DATA - IASA

AVES 11-707 1A9 02A + S3 + T9 OMS NOZZLE

(RBM-39)

SECTION (1) OMS NOZZLE		DEPENDENT VARIABLE CP	
MACH (2) = 1.246 BETAT (3) = .020		X/LNM	.400
		PHI	
		135.000	-.0640
		160.000	-.0160
		225.000	-.3550
MACH (2) = 1.246 BETAT (4) = 4.130		X/LNM	.400
		PHI	
		135.000	-.2720
		160.000	-.2170
		225.000	-.3250
MACH (2) = 1.246 BETAT (5) = 8.250		X/LNM	.400
		PHI	
		135.000	-.3400
		160.000	-.3090
		225.000	-.3480

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

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(RBM40) (28 APR 73)

AMES 11-707 1A9 ORA + S3 + T9 ORS NOZZLE

REFERENCE DATA

SREF = 2.4210 INCHES
 LREF = 39.8490 INCHES
 SREF = 39.8490 INCHES
 SCALE = .0000 SCALE

XORP = 28.5300 INCHES
 YORP = .0000 INCHES
 ZORP = .0000 INCHES

SECTION (1) ORS NOZZLE

DEPENDENT VARIABLE CP

MACH (1) = 1.101	BETAT (1) = -0.190	X/LNM	PHI
		.200	.400
		.135.000	.2960
		.180.000	.1480
		.225.000	-.4890
MACH (1) = 1.101	BETAT (2) = -4.080	X/LNM	PHI
		.200	.400
		.135.000	-.0840
		.180.000	-.0880
		.225.000	-.4270
MACH (1) = 1.101	BETAT (3) = .080	X/LNM	PHI
		.200	.400
		.135.000	-.3000
		.180.000	-.2290
		.225.000	-.4870
MACH (1) = 1.099	BETAT (4) = 4.140	X/LNM	PHI
		.200	.400
		.135.000	-.3580
		.180.000	-.3450
		.225.000	-.3670
MACH (1) = 1.100	BETAT (5) = 0.280	X/LNM	PHI
		.200	.400
		.135.000	-.3970
		.180.000	-.3770
		.225.000	-.3990
MACH (2) = 1.244	BETAT (1) = -0.150	X/LNM	PHI
		.200	.400
		.135.000	.7530
		.180.000	.4360
		.225.000	-.3670
MACH (2) = 1.249	BETAT (2) = -4.080	X/LNM	PHI
		.200	.400
		.135.000	.2760
		.180.000	.2090
		.225.000	-.3710

PARAMETRIC DATA

ALPHAT = -4.000
 RUDDER = -5.000
 RUOFLR = .000
 ORBINC = .500
 ELEVON = .000
 .000

(RBM40)

TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 CEA + S3 + T9 OMS NOZZLE

SECTION (1) OMS NOZZLE

DEPENDENT VARIABLE CP

MACH (2) = 1.248	BETAT (3) = .010	X/LNH	.200	.400
		PHI		
		135.000	-.10	
		180.000	-.10	-.3220
		225.000	-.1	
MACH (2) = 1.252	BETAT (4) = 4.110	X/LNH	.200	.400
		PHI		
		135.000	-.3000	
		180.000	-.2970	-.3320
		225.000	-.3330	
MACH (2) = 1.250	BETAT (5) = 0.210	X/LNH	.200	.400
		PHI		
		135.000	-.3250	
		180.000	-.2960	-.3380
		225.000	-.3310	

(RDM41) (28 APR 75)

DATE 20 SEP 75 TANGULATED PRESSURE DATA - 1A9A
AVES 11-707 1A9 CEA + 83 + T9 ONE NOZZLE

PARAMETRIC DATA

ALPHAT = .000 ORBINC = .500
RUDDER = -5.000 ELEVON = .000
RUOFLR = .000

REFERENCE DATA

SWEP = 2.4210 82. FT. XMRP = 28.5300 INCHES
LEEF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

SECTION (1) OPS NOZZLE

DEPENDENT VARIABLE CP

MACH (1) = 1.101 BETAT (1) = -0.200
X/LNM .200 .400
PHI
135.000 .1360
180.000 .0480
225.000 -.4480

MACH (1) = 1.086 BETAT (2) = -4.080
X/LNM .200 .400
PHI
135.000 -.1900
180.000 -.1680
225.000 -.4190

MACH (1) = 1.100 BETAT (3) = .080
X/LNM .200 .400
PHI
135.000 -.3180
180.000 -.2940
225.000 -.3790

MACH (1) = 1.100 BETAT (4) = 4.130
X/LNM .200 .400
PHI
135.000 -.3640
180.000 -.3650
225.000 -.3760

MACH (1) = 1.100 BETAT (5) = 8.250
X/LNM .200 .400
PHI
135.000 -.3970
180.000 -.3940
225.000 -.4050

MACH (2) = 1.247 BETAT (1) = -0.160
X/LNM .200 .400
PHI
135.000 .5330
180.000 .3710
225.000 -.0380

MACH (2) = 1.231 BETAT (2) = -4.080
X/LNM .200 .400
PHI
135.000 .1240
180.000 .1940
225.000 -.2310

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

(RBNM41)

AMES 11-707 1A9 02A + S3 + T9 CMS NOZZLE

SECTION (1) CMS NOZZLE		DEPENDENT VARIABLE CP	
MACH (2) = 1.246	BETAT (3) = .020	X/LNM	.200 .400
		PHI	
		135.000	-.2070
		160.000	-.1870
		225.000	-.3230
MACH (2) = 1.247	BETAT (4) = 4.110	X/LNM	.200 .400
		PHI	
		135.000	-.2910
		160.000	-.2990
		225.000	-.3310
MACH (2) = 1.246	BETAT (5) = 6.200	X/LNM	.200 .400
		PHI	
		135.000	-.3460
		160.000	-.3250
		225.000	-.3550

DATE 26 SEP 73

TABULATED PRESSURE DATA - IASA
AVES 11-707 1A9 08A + SS + T9 OMS NOZZLE

(RBME42) (28 APR 73)

REFERENCE DATA

SREP = 2.4210 50 FT. XMRP = 29.9300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHAT = 4.000 ORBINC = .500
RUDDER = -5.000 ELEVON = .000
RUOFLR = .000

SECTION (1) OMS NOZZLE

DEPENDENT VARIABLE CP

MACH (1) = 1.101 BETAT (1) = -0.190
X/LNM .200 .400
PHI
135.000 .2710
180.000 .0220 -.3310
225.000 -.4440

MACH (1) = 1.102 BETAT (2) = -4.080
X/LNM .200 .400
PHI
135.000 -.2770
180.000 -.2580 -.3680
225.000 -.3600

MACH (1) = 1.098 BETAT (3) = .080
X/LNM .200 .400
PHI
135.000 -.3440
180.000 -.3210 -.3700
225.000 -.3710

MACH (1) = 1.088 BETAT (4) = 4.140
X/LNM .200 .400
PHI
135.000 -.3770
180.000 -.3720 -.3760
225.000 -.3970

MACH (1) = 1.100 BETAT (5) = 8.280
X/LNM .200 .400
PHI
135.000 -.3920
180.000 -.3920 -.4110
225.000 -.4140

MACH (2) = 1.245 BETAT (1) = -0.140
X/LNM .200 .400
PHI
135.000 .2380
180.000 .2630 -.1610
225.000 -.3980

MACH (2) = 1.246 BETAT (2) = -4.080
X/LNM .200 .400
PHI
135.000 -.3570
180.000 -.0760 -.2980
225.000 -.3570

(RDM42)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 AMES 11-707 1A9 OCA + S3 + T9 OMS NOZZLE

SECTION (1) OMS NOZZLE DEPENDENT VARIABLE CP

MACH (2) = 1.249	BETAT (3) = .025	X/LNM	.200	.400
		PHI		
		135.000	-.2650	
		180.000	-.2370	-.3270
		225.000	-.3280	
MACH (2) = 1.247	BETAT (4) = 4.110	X/LNM	.200	.400
		PHI		
		135.000	-.3090	
		180.000	-.3070	-.3320
		225.000	-.3330	
MACH (2) = 1.246	BETAT (5) = 6.210	X/LNM	.200	.400
		PHI		
		135.000	-.3530	
		180.000	-.3510	-.3640
		225.000	-.3710	

DATE 20 SEP 73
 TABULATED PRESSURE DATA - 1A9A
 AVES 11-707 1A9 02A + 53 + 79 OYS NOZZLE

(RBME43) (28 APR 73)

PARAMETRIC DATA

ALPHAT = 0.000 ORBINC = .500
 RUDDER = -5.000 ELEVON = .000
 RUOFLR = .000

REFERENCE DATA

SREF = 2.4210 59.17.
 LREF = 39.8490 INCHES
 BREF = 39.8490 INCHES
 SCALE = .0000 SCALE

SECTION (1) OYS NOZZLE

MACH (1) = 1.101 BETAT (1) = -8.160
 X/LNM .200 .400
 PHI
 135.000 .2820
 180.000 .0230 -2160
 225.000 -.4820

MACH (1) = 1.097 BETAT (2) = -4.070
 X/LNM .200 .400
 PHI
 135.000 .0390
 180.000 -.1260 -3320
 225.000 -.4250

MACH (1) = 1.101 BETAT (3) = .010
 X/LNM .200 .400
 PHI
 135.000 -.3400
 180.000 -.3380 -3770
 225.000 -.3620

MACH (1) = 1.099 BETAT (4) = 4.150
 X/LNM .200 .400
 PHI
 135.000 -.3630
 180.000 -.3840 -3920
 225.000 -.3990

MACH (1) = 1.099 BETAT (5) = 8.300
 X/LNM .200 .400
 PHI
 135.000 -.4010
 180.000 -.4080 -4090
 225.000 -.4120

MACH (2) = 1.245 BETAT (1) = -8.110
 X/LNM .200 .400
 PHI
 135.000 -.1570
 180.000 -.1410 -2860
 225.000 -.3740

MACH (2) = 1.249 BETAT (2) = -4.040
 X/LNM .200 .400
 PHI
 135.000 -.2050
 180.000 -.1510 -3220
 225.000 -.3560

TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 OEA + S3 + T9 CMS NOZZLE

(F8ME43)

SECTION (1) CMS NOZZLE DEPENDENT VARIABLE CP

MACH (2) = 1.245	BETAT (3) = .020	X/LNM	PHI	.200	.400
		135.000	-.3020		
		180.000	-.2590		-.3300
		225.000	-.3260		
MACH (2) = 1.245	BETAT (4) = 4.130	X/LNM	PHI	.200	.400
		135.000	-.3270		
		180.000	-.3230		-.3410
		225.000	-.3410		
MACH (2) = 1.245	BETAT (5) = 8.230	X/LNM	PHI	.200	.400
		135.000	-.3610		
		180.000	-.3670		-.3650
		225.000	-.3680		

(R0ME44) (27 APR 75)

PARAMETRIC DATA

BETA1 = .000 ORBINC = -1.800
 RUDDER = .000 ELEVON = .000
 RUFLR = .000

TABULATED PRESSURE DATA - 1A8A

ANES 11-707 1A8 CBA + 53 + 79 7MS NOZZLE

REFERENCE DATA

REF = 2.4210 88.FT. XMRP = 26.5300 INCHES
 LIFT = 39.8480 INCHES YMRP = .0000 INCHES
 DRIFT = 39.8480 INCHES ZMRP = .0000 INCHES
 SCALE = .0000 SCALE

SECTION (1) 10MS NOZZLE

DEPENDENT VARIABLE CP

MACH (1) = .600 ALPHAT(1) = -0.000	X/LNM	.200	.400
	PHI		
	135.000	-.2000	
	180.000	-.1270	-.3030
	225.000	-.3150	
MACH (1) = .600 ALPHAT(2) = -3.980	X/LNM	.200	.400
	PHI		
	135.000	-.2140	
	180.000	-.1490	-.2960
	225.000	-.3080	

MACH (1) = .900 ALPHAT(3) = -3.980	X/LNM	.200	.400
	PHI		
	135.000	-.2000	
	180.000	-.1950	-.2850
	225.000	-.2800	

MACH (1) = .900 ALPHAT(4) = -1.970	X/LNM	.200	.400
	PHI		
	135.000	-.2000	
	180.000	-.1720	-.2910
	225.000	-.2930	

MACH (1) = .600 ALPHAT(5) = .000	X/LNM	.200	.400
	PHI		
	135.000	-.2160	
	180.000	-.1920	-.2920
	225.000	-.2850	

MACH (1) = .600 ALPHAT(6) = 2.070	X/LNM	.200	.400
	PHI		
	135.000	-.2170	
	180.000	-.2020	-.2900
	225.000	-.2930	

MACH (1) = .600 ALPHAT(7) = 4.010	X/LNM	.200	.400
	PHI		
	135.000	-.2160	
	180.000	-.1990	-.2850
	225.000	-.2830	

(RBHE44)

DATE 29 SEP 73 TABULATED PRESSURE DATA - IASA
AMES 11-707 IAS OEA + 93 + T9 ONS NOZZLE

DEPENDENT VARIABLE CP

SECTION (1) ONS NOZZLE

MACH (1) = .598 ALPHAT(8) = 6.040 X/LNH .200 .400
PHI
135.000 -.2330
180.000 -.2190 -.2850
225.000 -.2660

MACH (1) = .599 ALPHAT(9) = 6.020 X/LNH .200 .400
PHI
135.000 -.2360
180.000 -.2520 -.2810
225.000 -.2660

MACH (2) = .901 ALPHAT(1) = -6.070 X/LNH .200 .400
PHI
135.000 -.2950
180.000 -.2800 -.3250
225.000 -.3250

MACH (2) = .901 ALPHAT(2) = -6.030 X/LNH .200 .400
PHI
135.000 -.2850
180.000 -.2700 -.3200
225.000 -.3260

MACH (2) = .999 ALPHAT(3) = -4.080 X/LNH .200 .400
PHI
135.000 -.2750
180.000 -.2620 -.3080
225.000 -.3120

MACH (2) = .700 ALPHAT(4) = -1.890 X/LNH .200 .400
PHI
135.000 -.2620
180.000 -.2560 -.2990
225.000 -.3070

MACH (2) = .912 ALPHAT(5) = .010 X/LNH .200 .400
PHI
135.000 -.2640
180.000 -.2550 -.3070
225.000 -.3120

MACH (2) = .912 ALPHAT(6) = 1.990 X/LNH .200 .400
PHI
135.000 -.2640
180.000 -.2500 -.3030
225.000 -.3030

(R0HE44)

DATE 20 SEP 75
 TABULATED PRESSURE DATA - IASA
 ASES 11-707 IAS OEA + S3 + T9 OMS NOZZLE

SECTION : 310MS NOZZLE
 DEPENDENT VARIABLE CP

MACH (2) = .903 ALPHAT(7) = 4.010	X/LNM	.200	.400
	PHI		
	135.000	-.2540	
	180.000	-.2480	-.3040
	225.000	-.3040	
MACH (2) = .903 ALPHAT(8) = 6.000	X/LNM	.200	.400
	PHI		
	135.000	-.2430	
	180.000	-.2440	-.3040
	225.000	-.3150	
MACH (2) = .909 ALPHAT(9) = 7.980	X/LNM	.200	.400
	PHI		
	135.000	-.2570	
	180.000	-.2480	-.3120
	225.000	-.3110	
MACH (3) = 1.109 ALPHAT(1) = -6.010	X/LNM	.200	.400
	PHI		
	135.000	-.2340	
	180.000	-.1110	-.3780
	225.000	-.4080	
MACH (3) = 1.087 ALPHAT(2) = -3.950	X/LNM	.200	.400
	PHI		
	135.000	-.2760	
	180.000	-.1700	-.3750
	225.000	-.3680	
MACH (3) = 1.100 ALPHAT(3) = -3.970	X/LNM	.200	.400
	PHI		
	135.000	-.2730	
	180.000	-.1850	-.3780
	225.000	-.3750	
MACH (3) = 1.102 ALPHAT(4) = -1.980	X/LNM	.200	.400
	PHI		
	135.000	-.2910	
	180.000	-.2280	-.3680
	225.000	-.3680	
MACH (3) = 1.100 ALPHAT(5) = .030	X/LNM	.200	.400
	PHI		
	135.000	-.3130	
	180.000	-.2680	-.3680
	225.000	-.3610	

DATE 20 SEP 73

TABULATED PRESSURE DATA - IASA

AMES 11-707 IAS ORA + S3 + T9 ONS NOZZLE

(RDME44)

DEPENDENT VARIABLE CP

SECTION (1) ONS NOZZLE

MACH (3) = 1.101 ALPHAT(8) = 2.140	X/LNM	.200	.400
	PHI		
	135.000	-.3240	
	160.000	-.3010	-.3700
	225.000	-.3650	
MACH (3) = 1.102 ALPHAT(7) = 3.980	X/LNM	.200	.400
	PHI		
	135.000	-.3370	
	160.000	-.3190	-.3710
	225.000	-.3700	
MACH (3) = 1.103 ALPHAT(6) = 6.000	X/LNM	.200	.400
	PHI		
	135.000	-.3440	
	160.000	-.3200	-.3670
	225.000	-.3680	
MACH (3) = 1.102 ALPHAT(8) = 8.000	X/LNM	.200	.400
	PHI		
	135.000	-.3490	
	160.000	-.3330	-.3630
	225.000	-.3700	
MACH (4) = 1.247 ALPHAT(1) = -8.000	X/LNM	.200	.400
	PHI		
	135.000	.0180	
	160.000	.1220	-.2680
	225.000	-.3610	
MACH (4) = 1.250 ALPHAT(2) = -5.980	X/LNM	.200	.400
	PHI		
	135.000	-.0090	
	160.000	.0640	-.3000
	225.000	-.3730	
MACH (4) = 1.267 ALPHAT(3) = -3.980	X/LNM	.200	.400
	PHI		
	135.000	-.0680	
	160.000	-.0470	-.3130
	225.000	-.3500	
MACH (4) = 1.268 ALPHAT(4) = -2.000	X/LNM	.200	.400
	PHI		
	135.000	-.1400	
	160.000	-.1070	-.3190
	225.000	-.3370	

(30ME44)

COMPUTED PRESSURE DATA - 1A1A

DATE 20 SEP 73

AXES 11-707 1A9 02A + 93 + 79 0MS NOZZLE

SECTION (1) 0MS NOZZLE

DEPENDENT VARIABLE CP

MACH (4) = 1.244 ALPHAT(5) = .020

X/LNM	PHI	CP
135.000	-.1790	.400
160.000	-.1540	-.3230
225.000	-.3290	

MACH (4) = 1.244 ALPHAT(6) = 2.070

X/LNM	PHI	CP
135.000	-.2130	.400
160.000	-.1980	-.3260
225.000	-.3170	

MACH (4) = 1.244 ALPHAT(7) = 4.020

X/LNM	PHI	CP
135.000	-.2530	.400
160.000	-.2270	-.3310
225.000	-.3250	

MACH (4) = 1.244 ALPHAT(8) = 6.050

X/LNM	PHI	CP
135.000	-.2590	.400
160.000	-.2580	-.3250
225.000	-.3250	

MACH (4) = 1.244 ALPHAT(9) = 8.010

X/LNM	PHI	CP
135.000	-.2810	.400
160.000	-.2500	-.3240
225.000	-.3250	

DATE 20 SEP 73

TABULATED PRESSURE DATA - 149A

PAGE 1030

(RBHFD01) (27 APR 73)

AVES 11-707 1A9 CEA + S3 + T9 BODY FLAP

REFERENCE DATA

SWEP = 2.4210 90.FT. XWRP = 28.5300 INCHES
 LWEP = 19.8490 INCHES YWRP = .0000 INCHES
 SWEP = 19.8490 INCHES ZWRP = .0000 INCHES
 SCALE = .0010 SCALE

SECTION (1) BODY FLAP

DEPENDENT VARIABLE CP

MACH (1) =	.601	ALPHAT(1) =	-8.140	X/LB	1.039	PHI
				.000	.1240	
				40.000	-.1350	
MACH (1) =	.598	ALPHAT(2) =	-8.130	X/LB	1.039	PHI
				.000	.1050	
				40.000	-.1460	
MACH (1) =	.597	ALPHAT(3) =	-4.100	X/LB	1.039	PHI
				.000	.0690	
				40.000	-.1490	
MACH (1) =	.598	ALPHAT(4) =	-2.080	X/LB	1.039	PHI
				.000	.0890	
				40.000	-.1450	
MACH (1) =	.597	ALPHAT(5) =	-.080	X/LB	1.039	PHI
				.000	.0220	
				40.000	-.1480	
MACH (1) =	.598	ALPHAT(6) =	1.960	X/LB	1.039	PHI
				.000	-.0460	
				40.000	-.1520	
MACH (1) =	.597	ALPHAT(7) =	3.930	X/LB	1.039	PHI
				.000	-.0410	
				40.000	-.1390	
MACH (1) =	.600	ALPHAT(8) =	5.910	X/LB	1.039	PHI
				.000	-.0580	
				40.000	-.1360	

PARAMETRIC DATA

BETAT = .000 ORBINC = 1.500
 RUDDER = .000 ELEVON = .000
 RUDDFLR = .000

(R04F01)

DATE 20 SEP 79 TABULATED PRESSURE DATA - 1A9A
 ASES 11-707 1A9 02A + 93 + T9 BODY FLAP

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

MACH (1) = .599 ALPHA(9) = 7.950	X/LB	1.039
	PHI	.000
		40.000 -0.0940
		40.000 -0.1330
MACH (2) = .905 ALPHA(1) = -8.025	X/LB	1.039
	PHI	.000
		40.000 -0.0100
		40.000 -0.1910
MACH (2) = .600 ALPHA(2) = -5.980	X/LB	1.039
	PHI	.000
		40.000 -0.0190
		40.000 -0.1690
MACH (2) = .800 ALPHA(3) = -4.000	X/LB	1.039
	PHI	.000
		40.000 -0.0480
		40.000 -0.1820
MACH (2) = .902 ALPHA(4) = -1.980	X/LB	1.039
	PHI	.000
		40.000 -0.0240
		40.000 -0.1800
MACH (2) = .902 ALPHA(5) = .050	X/LB	1.039
	PHI	.000
		40.000 -0.0240
		40.000 -0.1820
MACH (2) = .901 ALPHA(6) = 2.100	X/LB	1.039
	PHI	.000
		40.000 -0.0030
		40.000 -0.1650
MACH (2) = .595 ALPHA(7) = 4.030	X/LB	1.039
	PHI	.000
		40.000 -0.0210
		40.000 -0.1660
MACH (2) = .901 ALPHA(8) = 6.000	X/LB	1.039
	PHI	.000
		40.000 -0.0290
		40.000 -0.1690

(R04P01)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 AMES 11-707 1A9 02A + S3 + T9 BODY FLAP

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

MACH (2) = .528 ALPHAT(9) = 0.000	X/LB 1.039	PHI -.0210
		40.000 -.1680
MACH (2) = .901 ALPHAT(10) = 0.000	X/LB 1.039	PHI -.0110
		40.000 -.1520
MACH (3) = 1.104 ALPHAT(1) = -0.010	X/LB 1.039	PHI -.1340
		40.000 -.2360
MACH (3) = 1.104 ALPHAT(2) = -0.970	X/LB 1.039	PHI -.1100
		40.000 -.2160
MACH (3) = 1.104 ALPHAT(3) = -3.960	X/LB 1.039	PHI -.0850
		40.000 -.2070
MACH (3) = 1.102 ALPHAT(4) = -2.000	X/LB 1.039	PHI -.0630
		40.000 -.1800
MACH (3) = 1.102 ALPHAT(5) = .030	X/LB 1.039	PHI -.0910
		40.000 -.1680
MACH (3) = 1.101 ALPHAT(6) = 2.010	X/LB 1.039	PHI -.0340
		40.000 -.1310
MACH (3) = 1.102 ALPHAT(7) = 4.020	X/LB 1.039	PHI -.0210
		40.000 -.1330

(1254701)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 AXES 11-707 1A9 02A + S3 + 19 BODY FLAP

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

MACH (3) = 1.103 ALPHAT(8) = 5.960	X/LB 1.039	PHI -.0390	40.000 -.1320
MACH (3) = 1.112 ALPHAT(9) = 7.960	X/LB 1.039	PHI -.0270	40.000 -.1260
MACH (3) = 1.102 ALPHAT(10) = 9.950	X/LB 1.039	PHI -.0200	40.000 -.1170
MACH (4) = 1.230 ALPHAT(1) = -6.000	X/LB 1.039	PHI -.1260	40.000 -.1970
MACH (4) = 1.232 ALPHAT(2) = -5.960	X/LB 1.039	PHI -.1080	40.000 -.1660
MACH (4) = 1.246 ALPHAT(3) = -4.030	X/LB 1.039	PHI -.0810	40.000 -.1550
MACH (4) = 1.230 ALPHAT(4) = -1.960	X/LB 1.039	PHI -.0710	40.000 -.1150
MACH (4) = 1.249 ALPHAT(5) = .040	X/LB 1.039	PHI -.0640	40.000 -.0850
MACH (4) = 1.247 ALPHAT(6) = 2.030	X/LB 1.039	PHI -.0570	40.000 -.0720

DATE 20 SEP 73

INSULATED PRESSURE DATA - 1A9A
 ANES 11-707 1A9 OEA + S3 + T9 BODY FLAP

(RBMFD01)

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

MACH (4) = 1.248	ALPHAT(7) = 4.045	X/LB	1.039
		PHI	
		.000	-.0420
		40.000	-.0860
MACH (4) = 1.247	ALPHAT(8) = 6.010	X/LB	1.039
		PHI	
		.000	-.0350
		40.000	-.1110
MACH (4) = 1.247	ALPHAT(9) = 8.010	X/LB	1.039
		PHI	
		.000	-.0300
		40.000	-.1140
MACH (4) = 1.246	ALPHAT(10) = 9.980	X/LB	1.039
		PHI	
		.000	-.0420
		40.000	-.0930

(RBMF02) (27 APR 75)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
AVES 11-707 1A9 02A + S3 + T9 BODY FLAP

PARAMETRIC DATA
BETAT = .000 ORBINC = .500
RUDDER = .000 ELEVON = .000
RUOFLR = .000

REFERENCE DATA

SRP = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LRFY = 39.8495 INCHES YMRP = .5700 INCHES
BRF = 39.8495 INCHES ZMRP = .0000 INCHES
SCALE = .0350 SCALE

DEPENDENT VARIABLE CP

SECTION (1) BODY FLAP

MACH (1) = .598	ALPHAT(1) = -8.080	X/LB	1.039
		PHI	.000
			.1140
			40.000
			-.1573
MACH (1) = .598	ALPHAT(2) = -8.080	X/LB	1.039
		PHI	.000
			.0600
			40.000
			-.1650
MACH (1) = .599	ALPHAT(3) = -3.790	X/LB	1.039
		PHI	.000
			.0390
			40.000
			-.1550
MACH (1) = .598	ALPHAT(4) = -1.910	X/LB	1.039
		PHI	.000
			.0370
			40.000
			-.1450
MACH (1) = .599	ALPHAT(5) = .020	X/LB	1.039
		PHI	.000
			-.0050
			40.000
			-.1450
MACH (1) = .599	ALPHAT(6) = 2.020	X/LB	1.039
		PHI	.000
			-.0370
			40.000
			-.1540
MACH (1) = .597	ALPHAT(7) = 4.020	X/LB	1.039
		PHI	.000
			-.0400
			40.000
			-.1460
MACH (1) = .599	ALPHAT(8) = 6.010	X/LB	1.039
		PHI	.000
			-.0290
			40.000
			-.1420

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A

(RBMF02)

AMES 11-707 1A9 OEA + S3 + T9 BODY FLAP

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

MACH (1) = .597	ALPHAT(9) = 8.000	X/LB	1.039
		PHI	
		.000	-.0360
		40.000	-.1320
MACH (2) = .903	ALPHAT(1) = -8.000	X/LB	1.039
		PHI	
		.000	-.0090
		40.000	-.2000
MACH (2) = .901	ALPHAT(2) = -6.020	X/LB	1.039
		PHI	
		.000	.0020
		40.000	-.1700
MACH (2) = .900	ALPHAT(3) = -4.090	X/LB	1.039
		PHI	
		.000	.0220
		40.000	-.1560
MACH (2) = .896	ALPHAT(4) = -1.990	X/LB	1.039
		PHI	
		.000	.0260
		40.000	-.1570
MACH (2) = .899	ALPHAT(5) = .010	X/LB	1.039
		PHI	
		.000	.0160
		40.000	-.1590
MACH (2) = .898	ALPHAT(6) = 2.040	X/LB	1.039
		PHI	
		.000	.0110
		40.000	-.1590
MACH (2) = .905	ALPHAT(7) = 4.040	X/LB	1.039
		PHI	
		.000	-.0340
		40.000	-.1670
MACH (2) = .897	ALPHAT(8) = 6.030	X/LB	1.039
		PHI	
		.000	-.0180
		40.000	-.1620

(5BME12)

DATE 20 SEP 79 TABULATED PRESSURE DATA - 1A9A
 AMES 11-707 1A9 CEA + S3 + T9 BODY FLAP

DEPENDENT VARIABLE CP

SECTION (1) BODY FLAP

MACH (2) = .900	ALPHAT(9) = 0.000	X/LB	1.039
		PHI	
		.000	-.0470
		40.000	-.1630
MACH (3) = 1.102	ALPHAT(1) = -0.050	X/LB	1.039
		PHI	
		.000	-.1250
		40.000	-.2440
MACH (3) = 1.103	ALPHAT(2) = -0.010	X/LB	1.039
		PHI	
		.000	-.0940
		40.000	-.2340
MACH (3) = 1.102	ALPHAT(3) = -4.000	X/LB	1.039
		PHI	
		.000	-.0840
		40.000	-.2050
MACH (3) = 1.102	ALPHAT(4) = -1.990	X/LB	1.039
		PHI	
		.000	-.0600
		40.000	-.1890
MACH (3) = 1.102	ALPHAT(5) = -.030	X/LB	1.039
		PHI	
		.000	-.0640
		40.000	-.1720
MACH (3) = 1.102	ALPHAT(6) = 1.980	X/LB	1.039
		PHI	
		.000	-.1660
		40.000	-.1450
MACH (3) = 1.102	ALPHAT(7) = 3.980	X/LB	1.039
		PHI	
		.000	-.1510
		40.000	-.1380
MACH (3) = 1.102	ALPHAT(8) = 3.970	X/LB	1.039
		PHI	
		.000	-.1440
		40.000	-.1320

(RBMF02)

DATE 20 SEP 73 *ASULATED PRESSURE DATA - 1A9A
 AMES 11-707 1A9 ORA + 33 + T9 BODY FLAP

DEPENDENT VARIABLE CP

SECTION (1) BODY FLAP

MACH (3) = 1.105	ALPHAT(9) = 7.940	X/LB	1.039
		PHI	
		.000	-.0320
		40.000	-.1280
MACH (4) = 1.249	ALPHAT(3) = -8.060	X/LB	1.039
		PHI	
		.000	-.1490
		40.000	-.1820
MACH (4) = 1.248	ALPHAT(2) = -6.020	X/LB	1.039
		PHI	
		.000	-.1150
		40.000	-.1640
MACH (4) = 1.249	ALPHAT(3) = -3.960	X/LB	1.039
		PHI	
		.000	-.0680
		40.000	-.1560
MACH (4) = 1.245	ALPHAT(4) = -1.980	X/LB	1.039
		PHI	
		.000	-.0750
		40.000	-.1210
MACH (4) = 1.246	ALPHAT(5) = .040	X/LB	1.039
		PHI	
		.000	-.0750
		40.000	-.0930
MACH (4) = 1.244	ALPHAT(6) = 2.030	X/LB	1.039
		PHI	
		.000	-.0580
		40.000	-.1050
MACH (4) = 1.245	ALPHAT(7) = 3.970	X/LB	1.039
		PHI	
		.000	-.1520
		40.000	-.1210
MACH (4) = 1.245	ALPHAT(8) = 5.990	X/LB	1.039
		PHI	
		.000	-.1380
		40.000	-.1220

(R94F12)

DATE 20 SEP 75 TABULATED PRESSURE DATA - 1A9A
AMES 11-707 1A9 02A + S3 + T9 BODY FLAP

DEPENDENT VARIABLE CP

SECTION (1) BODY FLAP

MACH (4) = 1.247	ALPHAT(9) = 7.980	X/LB	1.039
		PHI	
		.000	-.0400
		40.000	-.1020
MACH (5) = 1.403	ALPHAT(1) = -8.050	X/LB	1.039
		PHI	
		.000	-.1350
		40.000	-.1510
MACH (5) = 1.396	ALPHAT(2) = -5.970	X/LB	1.039
		PHI	
		.000	-.1310
		40.000	-.1410
MACH (5) = 1.396	ALPHAT(3) = -3.980	X/LB	1.039
		PHI	
		.000	-.1060
		40.000	-.1400
MACH (5) = 1.396	ALPHAT(4) = -1.990	X/LB	1.039
		PHI	
		.000	-.0780
		40.000	-.1300
MACH (5) = 1.396	ALPHAT(5) = .040	X/LB	1.039
		PHI	
		.000	-.0660
		40.000	-.1400
MACH (5) = 1.393	ALPHAT(6) = 2.000	X/LB	1.039
		PHI	
		.000	-.0610
		40.000	-.1160
MACH (5) = 1.394	ALPHAT(7) = 3.960	X/LB	1.039
		PHI	
		.000	-.1640
		40.000	-.1220
MACH (5) = 1.396	ALPHAT(8) = 6.030	X/LB	1.039
		PHI	
		.000	-.1520
		40.000	-.1140

C¹³

DATE 20 SEP 75

TABULATED PRESSURE DATA - 1A9A

(RBMFL2)

AMES 11-707 1A9 02A + S3 + T9 BODY FLAP

DEPENDENT VARIABLE CP

SECTION (1) BODY FLAP

MACH (5) = 1.391 ALPHAT(9) = 7.995

X/LB 1.039
PHI .0000
40.0000 -.0300
-.1030

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 AVES 11-707 1A9 OBA + S3 + T9 BODY FLAP

(REMPUS) (28 APR 73)

PARAMETRIC DATA

ALPHAT = -0.000 CRBINC = .500
 RUDDER = .000 ELEVON = .000
 RUDFLR = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
 LREF = 39.8490 INCHES YMRP = .0000 INCHES
 BREF = 39.8490 INCHES ZMRP = .0000 INCHES
 SCALE = .0300 SCALE

DEPENDENT VARIABLE CP

SECTION (1) BODY FLAP

MACH (1) = .599	BETAT (1) = -0.050	X/LB	PHI
		1.039	.000
			40.000
			-.1320
MACH (1) = .596	BETAT (2) = -0.050	X/LB	PHI
		1.039	.000
			40.000
			-.1450
MACH (1) = .596	BETAT (3) = -4.020	X/LB	PHI
		1.039	.000
			40.000
			-.1610
MACH (1) = .596	BETAT (4) = -2.000	X/LB	PHI
		1.039	.000
			40.000
			-.1430
MACH (1) = .596	BETAT (5) = .020	X/LB	PHI
		1.039	.000
			40.000
			-.1570
MACH (1) = .596	BETAT (6) = 2.060	X/LB	PHI
		1.039	.000
			40.000
			-.1980
MACH (1) = .596	BETAT (7) = 4.100	X/LB	PHI
		1.039	.000
			40.000
			-.2920
MACH (1) = .596	BETAT (8) = 6.140	X/LB	PHI
		1.039	.000
			40.000
			-.2910

(RBMF03)

DATE 20 SEP 75 TABULATED PRESSURE DATA - 1A9A
 ANES 1:-707 1A9 02A + S3 + T9 BODY FLAP

DEPENDENT VARIABLE CP

SECTION (1) BODY FLAP

MACH (1) = .599	BETAT (9) = 8.180	X/LB	1.039
		PHI	
		.000	-.0350
		40.000	-.2880
MACH (2) = .901	BETAT (1) = -8.140	X/LB	1.039
		PHI	
		.000	-.1350
		40.000	-.1710
MACH (2) = .900	BETAT (2) = -8.100	X/LB	1.039
		PHI	
		.000	-.0990
		40.000	-.1780
MACH (2) = .900	BETAT (3) = -4.090	X/LB	1.039
		PHI	
		.000	-.0340
		40.000	-.1720
MACH (2) = .898	BETAT (4) = -2.020	X/LB	1.039
		PHI	
		.000	.0140
		40.000	-.1640
MACH (2) = .899	BETAT (5) = 2.030	X/LB	1.039
		PHI	
		.000	-.0140
		40.000	-.2560
MACH (2) = .898	BETAT (6) = 4.140	X/LB	1.039
		PHI	
		.000	-.0310
		40.000	-.2780
MACH (2) = .901	BETAT (7) = 6.210	X/LB	1.039
		PHI	
		.000	-.0690
		40.000	-.3220
MACH (2) = .900	BETAT (8) = 8.270	X/LB	1.039
		PHI	
		.000	-.1280
		40.000	-.3340

III

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
ANES 11-707 1A9 CEA + S3 + T9 BODY FLAP

(RBMPUS)

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

MACH (3) = 1.101	BETAT (1) = -0.170	X/LB 1.039	PHI .000	-.1640	40.000	-.1690
MACH (3) = 1.100	BETAT (2) = -0.120	X/LB 1.033	PHI .000	-.1530	40.000	-.2130
MACH (3) = 1.102	BETAT (3) = -4.060	X/LB 1.039	PHI .000	-.1300	40.000	-.2290
MACH (3) = 1.100	BETAT (4) = -2.030	X/LB 1.039	PHI .000	-.1260	40.000	-.2500
MACH (3) = 1.099	BETAT (5) = .020	X/LB 1.039	PHI .000	-.1340	40.000	-.2490
MACH (3) = 1.101	BETAT (6) = 2.050	X/LB 1.039	PHI .000	-.1630	40.000	-.2470
MACH (3) = 1.100	BETAT (7) = 4.160	X/LB 1.039	PHI .000	-.1530	40.000	-.2020
MACH (3) = 1.103	BETAT (8) = 6.240	X/LB 1.039	PHI .000	-.1750	40.000	-.3140
MACH (3) = 1.101	BETAT (9) = 7.600	X/LB 1.039	PHI .000	-.1640	40.000	-.3120

(RBMFD3)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 AWE3 11-707 1A9 02A + S3 + T9 BODY FLAP

SECTION: (1) BODY FLAP
 DEPENDENT VARIABLE CP

MACH (4) = 1.248	BETAT (1) = -0.130	X/LB	1.039
		PHI	.000
			-0.1420
			40.000
			.0030
MACH (4) = 1.249	BETAT (2) = -0.080	X/LB	1.039
		PHI	.000
			-0.1280
			40.000
			-0.0110
MACH (4) = 1.249	BETAT (3) = -0.050	X/LB	1.039
		PHI	.000
			-0.1280
			40.000
			-0.0440
MACH (4) = 1.248	BETAT (4) = -2.080	X/LB	1.039
		PHI	.000
			-0.1420
			40.000
			-0.1020
MACH (4) = 1.207	BETAT (5) = 2.080	X/LB	1.039
		PHI	.000
			-0.1470
			40.000
			-0.2000
MACH (4) = 1.247	BETAT (6) = 4.140	X/LB	1.039
		PHI	.000
			-0.1310
			40.000
			-0.2240
MACH (4) = 1.248	BETAT (7) = 6.190	X/LB	1.039
		PHI	.000
			-0.1360
			40.000
			-0.2490
MACH (4) = 1.251	BETAT (8) = 8.290	X/LB	1.039
		PHI	.000
			-0.1450
			40.000
			-0.2990

DATE 20 SEP 75 TABULATED PRESSURE DATA - 1A9A

(RBMF04) (28 APR 73)

AMES 11-707 1A9 02A + S3 + T9 BODY FLAP

PARAMETRIC DATA

ALPHAT = -6.555 ORBINC = .500
RUDDER = .000 ELEVON = .000
RUOFLR = .000

REFERENCE DATA

REF = 2.4210 24.1 FT. XGRP = 28.5300 INCHES
LREF = 39.8490 INCHES YGRP = .0000 INCHES
BREF = 39.8490 INCHES ZGRP = .0000 INCHES
SCALE = .0000 SCALE

DEPENDENT VARIABLE CP

SECTION (1) BODY FLAP

MACH (1) = .599	BETAT (1) = -4.080	X/LB	PHI
		1.039	
		.000	-.0250
		40.000	-.1230
MACH (1) = .597	BETAT (2) = -6.040	X/LB	PHI
		1.039	
		.000	-.0220
		40.000	-.1350
MACH (1) = .599	BETAT (3) = -4.080	X/LB	PHI
		1.039	
		.000	.0270
		40.000	-.1360
MACH (1) = .599	BETAT (4) = -2.000	X/LB	PHI
		1.039	
		.000	.0620
		40.000	-.1460
MACH (1) = .600	BETAT (5) = .020	X/LB	PHI
		1.039	
		.000	.0910
		40.000	-.1520
MACH (1) = .599	BETAT (6) = 2.060	X/LB	PHI
		1.039	
		.000	.0650
		40.000	-.1650
MACH (1) = .599	BETAT (7) = 4.090	X/LB	PHI
		1.039	
		.000	.0360
		40.000	-.2630
MACH (1) = .600	BETAT (8) = 6.120	X/LB	PHI
		1.039	
		.000	.0430
		40.000	-.3050

DATE 20 SEP 73 TABULATED PRESSURE DATA - 149A

AVES 11-707 1A9 02A + S3 + T9 BODY FLAP

(RBHFLA)

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

MACH (1) = .601	BETAT (9) = 0.160	X/LB	1.039
		PHI	.000
		40.000	-.0300
			-.2610
MACH (2) = .609	BETAT (1) = -0.160	X/LB	1.039
		PHI	.000
		40.000	-.1020
			-.1640
MACH (2) = .607	BETAT (2) = -0.100	X/LB	1.039
		PHI	.000
		40.000	-.0690
			-.1570
MACH (2) = .902	BETAT (3) = -4.070	X/LB	1.039
		PHI	.000
		40.000	-.0390
			-.1690
MACH (2) = .900	BETAT (4) = -2.090	X/LB	1.039
		PHI	.000
		40.000	.0170
			-.1630
MACH (2) = .902	BETAT (5) = 2.080	X/LB	1.039
		PHI	.000
		40.000	-.0350
			-.2270
MACH (2) = .903	BETAT (6) = 4.140	X/LB	1.039
		PHI	.000
		40.000	-.0370
			-.2820
MACH (2) = .900	BETAT (7) = 6.190	X/LB	1.039
		PHI	.000
		40.000	-.0970
			-.3120
MACH (2) = .698	BETAT (8) = 0.240	X/LB	1.039
		PHI	.000
		40.000	-.1480
			-.3170

(RENTUA)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A8A
 AMES 11-707 1A9 OCA + 53 + T9 BODY FLAP

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

MACH (3) = 1.100	BETAT (1) = -6.190	X/LB	1.039
		PHI	
		.000	-.1290
		40.000	-.1590
MACH (3) = 1.098	BETAT (2) = -6.120	X/LB	1.039
		PHI	
		.000	-.1420
		40.000	-.1670
MACH (3) = 1.101	BETAT (3) = -6.060	X/LB	1.039
		PHI	
		.000	-.1240
		40.000	-.2120
MACH (3) = 1.101	BETAT (4) = -2.030	X/LB	1.039
		PHI	
		.000	-.1180
		40.000	-.2270
MACH (3) = 1.099	BETAT (5) = 2.080	X/LB	1.039
		PHI	
		.000	-.1340
		40.000	-.2220
MACH (3) = 1.098	BETAT (6) = 4.150	X/LB	1.039
		PHI	
		.000	-.1410
		40.000	-.2570
MACH (3) = 1.100	BETAT (7) = 6.210	X/LB	1.039
		PHI	
		.000	-.1490
		40.000	-.3110
MACH (3) = 1.098	BETAT (8) = 8.290	X/LB	1.039
		PHI	
		.000	-.1450
		40.000	-.3090
MACH (4) = 1.240	BETAT (1) = -6.140	X/LB	1.039
		PHI	
		.000	-.1170
		40.000	-.1890

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A

(RBNFTD4)

ANES 11-707 1A9 02A + S3 + 79 BODY FLAP

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

MACH (4) = 1.246	BETAT (2) = -6.100	X/LB	1.039
		PHI	
		.000	-.1080
		40.000	-.1090
MACH (4) = 1.244	BETAT (3) = -4.080	X/LB	1.039
		PHI	
		.000	-.0980
		40.000	-.0970
MACH (4) = 1.247	BETAT (4) = -2.080	X/LB	1.039
		PHI	
		.000	-.1170
		40.000	-.0770
MACH (4) = 1.245	BETAT (5) = 2.070	X/LB	1.039
		PHI	
		.000	-.1120
		40.000	-.1950
MACH (4) = 1.248	BETAT (6) = 4.120	X/LB	1.039
		PHI	
		.000	-.1200
		40.000	-.2070
MACH (4) = 1.245	BETAT (7) = 6.170	X/LB	1.039
		PHI	
		.000	-.1150
		40.000	-.2420
MACH (4) = 1.245	BETAT (8) = 8.210	X/LB	1.039
		PHI	
		.000	-.0950
		40.000	-.2740

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A

(RBMFDJ) (28 APR 73)

AMES 11-707 1A9 02A + S3 + T9 BODY FLAP

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
 LREF = 39.8490 INCHES YMRP = .0000 INCHES
 BREF = 39.8490 INCHES ZMRP = .0000 INCHES
 SCALE = .0000 SCALE

PARAMETRIC DATA

ALPHAT = -4.0000 ORBINC = .5000
 RUDSER = .0000 ELEVON = .0000
 RUDFLR = .0000

DEPENDENT VARIABLE CP

SECTION (1) BODY FLAP

MACH (1) = .800 BETAT (1) = .020 X/LB 1.039
 PHI .000
 40.000 -.1920

MACH (1) = .598 BETAT (2) = 4.080 X/LB 1.039
 PHI .000
 40.000 -.2490

MACH (1) = .599 BETAT (3) = 6.120 X/LB 1.039
 PHI .000
 40.000 -.2990

MACH (1) = .599 BETAT (4) = 8.150 X/LB 1.039
 PHI .000
 40.000 -.0360
 40.000 -.2680

MACH (2) = .905 BETAT (1) = -8.170 X/LB 1.039
 PHI .000
 40.000 -.0820
 40.000 -.1530

MACH (2) = .911 BETAT (2) = -6.110 X/LB 1.039
 PHI .000
 40.000 -.1630
 40.000 -.1470

MACH (2) = .912 BETAT (3) = -4.070 X/LB 1.039
 PHI .000
 40.000 -.1240
 40.000 -.1480

MACH (2) = .901 BETAT (4) = -2.030 X/LB 1.039
 PHI .000
 40.000 .0350
 40.000 -.1520

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A

(RBMFUS)

AMES 11-707 IAS OEA + S3 + T9 BODY FLAP

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

MACH (2) = .903	BETAT (5) = 2.070	X/LB	1.039
		PHI	
		.000	-.0400
		40.000	-.150
MACH (2) = .900	BETAT (6) = 4.120	X/LB	1.039
		PHI	
		.000	-.0410
		40.000	-.2610
MACH (2) = .904	BETAT (7) = 6.170	X/LB	1.039
		PHI	
		.000	-.0650
		40.000	-.3040
MACH (2) = .899	BETAT (8) = 8.230	X/LB	1.039
		PHI	
		.000	-.0760
		40.000	-.3020
MACH (3) = 1.100	BETAT (1) = -6.200	X/LB	1.039
		PHI	
		.000	-.0970
		40.000	-.1280
MACH (3) = 1.097	BETAT (2) = -6.130	X/LB	1.039
		PHI	
		.000	-.1020
		40.000	-.1680
MACH (3) = 1.101	BETAT (3) = -4.180	X/LB	1.039
		PHI	
		.000	-.1950
		40.000	-.1760
MACH (3) = 1.099	BETAT (4) = -2.030	X/LB	1.039
		PHI	
		.000	-.1010
		40.000	-.1840
MACH (3) = 1.101	BETAT (5) = 2.180	X/LB	1.039
		PHI	
		.000	-.1110
		40.000	-.2480

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 OEA + S3 + T9 BODY FLAP

(RBMFGUS)

SECTION (1) BODY FLAP	DEPENDENT VARIABLE CP	
MACH (3) = 1.152 BETAT (6) = 4.140	X/LB 1.039	
	PHI .000	
	40.000 -.1100	
	40.000 -.2520	
MACH (3) = 1.150 BETAT (7) = 6.200	X/LB 1.039	
	PHI .000	
	40.000 -.1100	
	40.000 -.3200	
MACH (3) = 1.100 BETAT (8) = 8.270	X/LB 1.039	
	PHI .000	
	40.000 -.0890	
	40.000 -.3000	
MACH (4) = 1.245 BETAT (1) = -8.150	X/LB 1.039	
	PHI .000	
	40.000 -.0980	
	40.000 .0300	
MACH (4) = 1.245 BETAT (2) = -6.110	X/LB 1.039	
	PHI .000	
	40.000 -.0810	
	40.000 .0100	
MACH (4) = 1.245 BETAT (3) = -4.060	X/LB 1.039	
	PHI .000	
	40.000 -.0880	
	40.000 -.0180	
MACH (4) = 1.246 BETAT (4) = -2.020	X/LB 1.039	
	PHI .000	
	40.000 -.1120	
	40.000 -.0600	
MACH (4) = 1.243 BETAT (5) = 2.160	X/LB 1.039	
	PHI .000	
	40.000 -.0870	
	40.000 -.1690	
MACH (4) = 1.241 BETAT (6) = 4.120	X/LB 1.039	
	PHI .000	
	40.000 -.0950	
	40.000 -.1960	

TABULATED PRESSURE DATA - 1A9A

DATE 25 SEP 73

(RBMFUS)

AMES 11-707 1A9 02A + S3 + T9 BODY FLAP

DEPENDENT VARIABLE CP

SECTION (1) BODY FLAP

MACH (4) = 1.244 BETAT (7) = 6.160

	X/LB	1.039
PHI	.000	-.0740
	40.000	-.2260

MACH (4) = 1.247 BETAT (8) = 8.210

	X/LB	1.039
PHI	.000	-.0840
	40.000	-.2690

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 02A + S3 + T9 BODY FLAP

(RBMPD6) (28 APR 73)

PARAMETRIC DATA

ALPHAT = -2.000 ORBINC = .900
RUDDER = .000 ELEVON = .000
RUDFLR = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0000 SCALE

DEPENDENT VARIABLE CP

SECTION (1) BODY FLAP

MACH (1) = .599	BETAT (1) = -8.060	X/LB	PHI
		1.039	
		.000	-.0260
		40.000	-.137
MACH (1) = .599	BETAT (2) = -6.060	X/LB	PHI
		1.039	
		.000	.0020
		40.000	-.1340
MACH (1) = .598	BETAT (3) = -4.040	X/LB	PHI
		1.039	
		.000	.0390
		40.000	-.1340
MACH (1) = .600	BETAT (4) = -2.000	X/LB	PHI
		1.039	
		.000	.0510
		40.000	-.1410
MACH (1) = .600	BETAT (5) = .020	X/LB	PHI
		1.039	
		.000	.0390
		40.000	-.1590
MACH (1) = .603	BETAT (6) = 2.050	X/LB	PHI
		1.039	
		.000	.0370
		40.000	-.1740
MACH (1) = .603	BETAT (7) = 4.080	X/LB	PHI
		1.039	
		.000	-.0290
		40.000	-.2640
MACH (1) = .599	BETAT (8) = 6.110	X/LB	PHI
		1.039	
		.000	-.0800
		40.000	-.2700

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

(RBMF06)

AMES 11-707 1A9 OEA + S3 + T9 BODY FLAP

DEPENDENT VARIABLE CP

SECTION (1) BODY FLAP

MACH (1) = .800	BETAT (9) = 0.140	X/LB	1.039
		PHI	
		.000	-.0910
		40.000	-.2620
MACH (2) = .904	BETAT (1) = -0.180	X/LB	1.039
		PHI	
		.000	-.0580
		40.000	-.1460
MACH (2) = .901	BETAT (2) = -0.130	X/LB	1.039
		PHI	
		.000	-.0330
		40.000	-.1300
MACH (2) = .902	BETAT (3) = -4.070	X/LB	1.039
		PHI	
		.000	-.0260
		40.000	-.1350
MACH (2) = .901	BETAT (4) = -2.030	X/LB	1.039
		PHI	
		.000	-.0200
		40.000	-.1620
MACH (2) = .903	BETAT (5) = 2.080	X/LB	1.039
		PHI	
		.000	-.0190
		40.000	-.1960
MACH (2) = .903	BETAT (6) = 4.130	X/LB	1.039
		PHI	
		.000	-.0290
		40.000	-.2280
MACH (2) = .907	BETAT (7) = 6.180	X/LB	1.039
		PHI	
		.000	-.0320
		40.000	-.2950
MACH (2) = .904	BETAT (8) = 8.230	X/LB	1.039
		PHI	
		.000	-.0720
		40.000	-.2950

(CONT'D)

DATE 20 SEP 75 TABULATED PRESSURE DATA - 1A5A
 ANES 11-707 1A9 ORA + S3 + T9 BODY FLAP

DEPENDENT VARIABLE CP

SECTION (1) BODY FLAP

MACH (3) = 1.099	BETAT (1) = -0.210	X/LB PHI	1.039 -0.1000 40.000 -0.1130
MACH (3) = 1.100	BETAT (2) = -0.140	X/LB PHI	1.039 -0.0900 40.000 -0.1440
MACH (3) = 1.100	BETAT (3) = -4.080	X/LB PHI	1.039 -0.0670 40.000 -0.1990
MACH (3) = 1.099	BETAT (4) = -2.030	X/LB PHI	1.039 -0.1030 40.000 -0.1990
MACH (3) = 1.101	BETAT (5) = 2.080	X/LB PHI	1.039 -0.0900 40.000 -0.1990
MACH (3) = 1.100	BETAT (6) = 4.130	X/LB PHI	1.039 -0.0960 40.000 -0.2280
MACH (3) = 1.100	BETAT (7) = 6.190	X/LB PHI	1.039 -0.0790 40.000 -0.3030
MACH (3) = 1.101	BETAT (8) = 8.260	X/LB PHI	1.039 -0.0710 40.000 -0.2890
MACH (4) = 1.240	BETAT (1) = -8.160	X/LB PHI	1.039 -0.0950 40.000 -0.0440

(RBMFD6)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1ASA
AMES 11-707 1A9 CEA + S3 + T9 BODY FLAP

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

MACH (4) = 1.248	BETAT (2) = -6.110	X/LB 1.039	PHI
		.000	-.0660
		40.000	.0160
MACH (4) = 1.248	BETAT (3) = -4.070	X/LB 1.039	PHI
		.000	-.0790
		40.000	-.0160
MACH (4) = 1.248	BETAT (4) = -2.050	X/LB 1.039	PHI
		.000	-.1040
		40.000	-.0390
MACH (4) = 1.248	BETAT (5) = 2.070	X/LB 1.039	PHI
		.000	-.0660
		40.000	-.1640
MACH (4) = 1.247	BETAT (6) = 4.110	X/LB 1.039	PHI
		.000	-.0660
		40.000	-.1800
MACH (4) = 1.248	BETAT (7) = 6.160	X/LB 1.039	PHI
		.000	-.0620
		40.000	-.2160
MACH (4) = 1.248	BETAT (8) = 8.200	X/LB 1.039	PHI
		.000	-.1020
		40.000	-.2560

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A

(RSMF07) (28 APR 75)

AVES 11-707 1A9 OSA + S3 + T9 BODY FLAP

PARAMETRIC DATA

ALPHAT = .0000 ORBINC = .500
RUDDER = .0000 ELEVON = .000
RUOFLR = .0000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XGRP = 28.5300 INCHES
LREF = 39.8490 INCHES YGRP = .0000 INCHES
BREF = 39.8490 INCHES ZGRP = .0000 INCHES
SCALE = .0000 SCALE

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

MACH (1) = .597 BETAT (1) = -0.100 X/LB 1.039
PHI .000
40.000 -.0550
40.000 -.1340

MACH (1) = .598 BETAT (2) = -0.080 X/LB 1.039
PHI .000
40.000 -.0510
40.000 -.1440

MACH (1) = .598 BETAT (3) = -4.080 X/LB 1.039
PHI .000
40.000 -.0060
40.000 -.1400

MACH (1) = .595 BETAT (4) = -2.080 X/LB 1.039
PHI .000
40.000 .0120
40.000 -.1440

MACH (1) = .597 BETAT (5) = .020 X/LB 1.039
PHI .000
40.000 .0120
40.000 -.1480

MACH (1) = .597 BETAT (6) = 2.090 X/LB 1.039
PHI .000
40.000 -.0310
40.000 -.1720

MACH (1) = .599 BETAT (7) = 4.080 X/LB 1.039
PHI .000
40.000 -.0670
40.000 -.2130

MACH (1) = .597 BETAT (8) = 6.110 X/LB 1.039
PHI .000
40.000 -.1130
40.000 -.2720

DATE 20 SEP 75 TABULATED PRESSURE DATA - 1A9A
 AMES 11-707 1A9 02A + S3 + T9 BODY FLAP (RBWFD7)

SECTION (3) BODY FLAP DEPENDENT VARIABLE CP

MACH (1) = .597	BETAT (9) = 8.140	X/LB	1.039
		PHI	
		.000	-.1540
		40.000	-.2300
MACH (2) = .900	BETAT (1) = -8.180	X/LB	1.039
		PHI	
		.000	-.0340
		40.000	-.1330
MACH (2) = .699	BETAT (2) = -6.140	X/LB	1.039
		PHI	
		.000	-.0190
		40.000	-.1220
MACH (2) = .639	BETAT (3) = -4.080	X/LB	1.039
		PHI	
		.000	-.0160
		40.000	-.1200
MACH (2) = .901	BETAT (4) = -2.090	X/LB	1.039
		PHI	
		.000	-.0720
		40.000	-.1660
MACH (2) = .901	BETAT (5) = .020	X/LB	1.039
		PHI	
		.000	.0240
		40.000	-.1560
MACH (2) = .901	BETAT (6) = 2.070	X/LB	1.039
		PHI	
		.000	.0050
		40.000	-.1610
MACH (2) = .908	BETAT (7) = 4.120	X/LB	1.039
		PHI	
		.000	-.1420
		40.000	-.2350
MACH (2) = .901	BETAT (8) = 6.180	X/LB	1.039
		PHI	
		.000	-.1490
		40.000	-.2830

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A

(RBMF077)

APES 11-707 1A9 02A + S3 + T9 BODY FLAP

SECTION (1) BODY FLAP	DEPENDENT VARIABLE CP		
MACH (2) = .951 BETAT (9) = 8.220	X/LB	1.039	
	PHI		
	.000	-.0550	
	40.000	-.3000	
MACH (3) = 1.100 BETAT (1) = -8.210	X/LB	1.039	
	PHI		
	.000	-.1020	
	40.000	-.1180	
MACH (3) = 1.099 BETAT (2) = -6.140	X/LB	1.039	
	PHI		
	.000	-.0910	
	40.000	-.1370	
MACH (3) = 1.098 BETAT (3) = -4.080	X/LB	1.039	
	PHI		
	.000	-.0840	
	40.000	-.1140	
MACH (3) = 1.101 BETAT (4) = -2.030	X/LB	1.039	
	PHI		
	.000	-.0850	
	40.000	-.1140	
MACH (3) = 1.099 BETAT (5) = 2.070	X/LB	1.039	
	PHI		
	.000	-.0180	
	40.000	-.1790	
MACH (3) = 1.100 BETAT (6) = 4.140	X/LB	1.039	
	PHI		
	.000	-.1050	
	40.000	-.2050	
MACH (3) = 1.101 BETAT (7) = 6.200	X/LB	1.039	
	PHI		
	.000	-.1050	
	40.000	-.3040	
MACH (3) = 1.101 BETAT (8) = 8.230	X/LB	1.039	
	PHI		
	.000	-.1620	
	40.000	-.2860	

(RDMF07)

DATE 20 SEP 75 TABULATED PRESSURE DATA - 1A9A
AMES 11-707 1A9 02A + S3 + T9 BODY FLAP

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

MACH (4) = 1.249	BETAT (1) = -8.180	X/LB	1.039
		PHI	
		.000	-.0970
		40.000	.0540
MACH (4) = 1.248	BETAT (2) = -6.110	X/LB	1.039
		PHI	
		.000	-.0780
		40.000	.0360
MACH (4) = 1.248	BETAT (3) = -4.080	X/LB	1.039
		PHI	
		.000	-.0760
		40.000	.0010
MACH (4) = 1.247	BETAT (4) = -2.030	X/LB	1.039
		PHI	
		.000	-.0910
		40.000	-.0250
MACH (4) = 1.247	BETAT (5) = 2.080	X/LB	1.039
		PHI	
		.000	-.0630
		40.000	-.1370
MACH (4) = 1.245	BETAT (6) = 4.100	X/LB	1.039
		PHI	
		.000	-.0530
		40.000	-.1650
MACH (4) = 1.246	BETAT (7) = 6.150	X/LB	1.039
		PHI	
		.000	-.0780
		40.000	-.1940
MACH (4) = 1.247	BETAT (8) = 8.190	X/LB	1.039
		PHI	
		.000	-.0670
		40.000	-.2520
MACH (5) = 1.395	BETAT (1) = -8.180	X/LB	1.039
		PHI	
		.000	-.0780
		40.000	-.1130

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 AVES 11-707 1A9 02A + S3 + T9 BODY FLAP

(RBMF07)

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

MACH (5) = 1.395	BETAT (2) = -6.120	X/LB 1.039	PHI
		.000	-.0620
		40.000	-.0970
MACH (5) = 1.397	BETAT (3) = -4.080	X/LB 1.039	PHI
		.000	-.1030
		40.000	-.1230
MACH (5) = 1.396	BETAT (4) = .020	X/LB 1.039	PHI
		.000	-.0720
		40.000	-.1420
MACH (5) = 1.394	BETAT (5) = 4.110	X/LB 1.039	PHI
		.000	-.0650
		40.000	-.1620
MACH (5) = 1.392	BETAT (6) = 2.210	X/LB 1.039	PHI
		.000	-.0460
		40.000	-.2120

DATE 20 SEP 73
 TABULATED PRESSURE DATA - 1A9A
 AMES 11-707 1A9 02A + S3 + T9 BODY FLAP

(RBMFD8) (20 APR 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 20.5300 INCHES
 LREF = 39.8490 INCHES YMRP = .0000 INCHES
 BREF = 39.8490 INCHES ZMRP = .0000 INCHES
 SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHAT = 2.000 ORBINC = .500
 RUDDER = .000 ELEVON = .000
 RUFLR = .000

DEPENDENT VARIABLE CP

SECTION (1) BODY FLAP

MACH (1) = .599	BETAT (1) = -6.080	X/LB	PHI
		1.039	
		.000	-.0410
		40.000	-.1240
MACH (1) = .598	BETAT (2) = -6.080	X/LB	PHI
		1.039	
		.000	-.0800
		40.000	-.1340
MACH (1) = .596	BETAT (3) = -4.040	X/LB	PHI
		1.039	
		.000	.0100
		40.000	-.1360
MACH (1) = .597	BETAT (4) = -2.010	X/LB	PHI
		1.039	
		.000	-.0750
		40.000	-.1370
MACH (1) = .596	BETAT (5) = .020	X/LB	PHI
		1.039	
		.000	-.0280
		40.000	-.1390
MACH (1) = .599	BETAT (6) = 2.050	X/LB	PHI
		1.039	
		.000	-.1610
		40.000	-.1640
MACH (1) = .598	BETAT (7) = 4.080	X/LB	PHI
		1.039	
		.000	-.1990
		40.000	-.2180
MACH (1) = .598	BETAT (8) = 6.110	X/LB	PHI
		1.039	
		.000	-.1470
		40.000	-.2450

(RBWFD08)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 AMES 11-707 1A9 ORA + S3 + T9 BODY FLAP

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

MACH (1) = .999 BETAT (9) = 6.140 X/LB 1.039
 PHI .000 -.1580
 40.000 -.2020

MACH (2) = .902 BETAT (1) = -6.180 X/LB 1.039
 PHI .000 -.0490
 40.000 -.1370

MACH (2) = .901 BETAT (2) = -6.130 X/LB 1.039
 PHI .000 -.0370
 40.000 -.1270

MACH (2) = .899 BETAT (3) = -6.080 X/LB 1.039
 PHI .000 -.0140
 40.000 -.1250

MACH (2) = .900 BETAT (4) = -2.030 X/LB 1.039
 PHI .000 -.0780
 40.000 -.1720

MACH (2) = .902 BETAT (5) = 2.070 X/LB 1.039
 PHI .000 -.0590
 40.000 -.1650

MACH (2) = .913 BETAT (6) = 4.120 X/LB 1.039
 PHI .000 -.1820
 40.000 -.2350

MACH (2) = .914 BETAT (7) = 6.180 X/LB 1.039
 PHI .000 -.1170
 40.000 -.2870

MACH (2) = .911 BETAT (8) = 8.230 X/LB 1.039
 PHI .000 -.1370
 40.000 -.2460

DATE 21 SEP 73 TABULATED PRESSURE DATA - 1A9A

AVES 11-707 1A9 OZA + S3 + T9 BODY FLAP

(R54518)

SECTION (1) BODY FLAP

DEPENDENT VARIABLE CP

MACH (3) = 1.099	BETAT (1) = -8.200	X/LB	1.039
		PHI	
		.000	-.0930
		40.000	-.1090
MACH (3) = 1.100	BETAT (2) = -8.150	X/LB	1.039
		PHI	
		.000	-.0940
		40.000	-.0980
MACH (3) = 1.100	BETAT (3) = -4.090	X/LB	1.039
		PHI	
		.000	-.0680
		40.000	-.0900
MACH (3) = 1.099	BETAT (4) = -2.030	X/LB	1.039
		PHI	
		.000	-.0870
		40.000	-.1100
MACH (3) = 1.100	BETAT (5) = 2.060	X/LB	1.039
		PHI	
		.000	-.0350
		40.000	-.1540
MACH (3) = 1.097	BETAT (6) = 4.130	X/LB	1.039
		PHI	
		.000	-.0520
		40.000	-.1790
MACH (3) = 1.100	BETAT (7) = 6.180	X/LB	1.039
		PHI	
		.000	-.1620
		40.000	-.2670
MACH (3) = 1.101	BETAT (8) = 8.250	X/LB	1.039
		PHI	
		.000	-.1820
		40.000	-.2760
MACH (4) = 1.246	BETAT (1) = -8.160	X/LB	1.039
		PHI	
		.000	-.1090
		40.000	-.1540

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DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 AMES 11-707 1A9 02A + S5 + T9 BODY FLAP

(RBMF08)

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

MACH (4) = 1.250	BETAT (2) = -6.110	X/LB	1.039
		PHI	
		.000	-.0630
		40.000	.0480
MACH (4) = 1.249	BETAT (3) = -4.070	X/LB	1.039
		PHI	
		.000	-.0760
		40.000	.0180
MACH (4) = 1.248	BETAT (4) = -2.030	X/LB	1.039
		PHI	
		.000	-.0740
		40.000	-.0630
MACH (4) = 1.248	BETAT (5) = 2.060	X/LB	1.039
		PHI	
		.000	-.0630
		40.000	-.1450
MACH (4) = 1.248	BETAT (6) = 4.110	X/LB	1.039
		PHI	
		.000	-.0710
		40.000	-.1570
MACH (4) = 1.247	BETAT (7) = 6.150	X/LB	1.039
		PHI	
		.000	-.0790
		40.000	-.1890
MACH (4) = 1.245	BETAT (8) = 8.200	X/LB	1.039
		PHI	
		.000	-.1920
		40.000	-.2440

TABULATED PRESSURE DATA - IASA

DATE 20 SEP 73

AMES 11-707 IAS OEA + S3 + T9 BODY FLAP

(RBWFL9) (28 APR 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
 LREF = 39.8490 INCHES YMRP = .0000 INCHES
 BREF = 39.8490 INCHES ZMRP = .0000 INCHES
 SCALE = .0000 SCALE

PARAMETRIC DATA

ALPHAT = 4.0000 ORBINC = .500
 RUDDER = .0000 ELEVON = .000
 RUDFLR = .000

DEPENDENT VARIABLE CP

SECTION (1) BODY FLAP

MACH (1) = .598	BETAT (1) = -8.090	X/LB	PHI
		1.039	
		.000	-.0090
		40.000	-.1070
MACH (1) = .597	BETAT (2) = -8.060	X/LB	PHI
		1.039	
		.000	-.0360
		40.000	-.1160
MACH (1) = .598	BETAT (3) = -4.030	X/LB	PHI
		1.039	
		.000	-.0060
		40.000	-.1300
MACH (1) = .598	BETAT (4) = -2.010	X/LB	PHI
		1.039	
		.000	-.0290
		40.000	-.1480
MACH (1) = .596	BETAT (5) = .020	X/LB	PHI
		1.039	
		.000	-.0580
		40.000	-.1360
MACH (1) = .598	BETAT (6) = 2.050	X/LB	PHI
		1.039	
		.000	-.0470
		40.000	-.1480
MACH (1) = .597	BETAT (7) = 4.080	X/LB	PHI
		1.039	
		.000	-.1070
		40.000	-.1930
MACH (1) = .597	BETAT (8) = 6.120	X/LB	PHI
		1.039	
		.000	-.1110
		40.000	-.2450

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A (R3MF09)

AMES 11-707 1A9 02A + S3 + T9 BODY FLAP

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

MACH (1) = .998	BETAT (9) = 0.150	X/LB	1.039
		PHI	
		.000	-.1480
		40.000	-.2250
MACH (2) = .899	BETAT (1) = -0.170	X/LB	1.039
		PHI	
		.000	-.0470
		40.000	-.1250
MACH (2) = .907	BETAT (2) = -0.120	X/LB	1.039
		PHI	
		.000	-.0280
		40.000	-.1210
MACH (2) = .901	BETAT (3) = -4.080	X/LB	1.039
		PHI	
		.000	-.0290
		40.000	-.1250
MACH (2) = .899	BETAT (4) = -2.030	X/LB	1.039
		PHI	
		.000	-.0320
		40.000	-.1620
MACH (2) = .903	BETAT (5) = 2.070	X/LB	1.039
		PHI	
		.000	-.0740
		40.000	-.1610
MACH (2) = .901	BETAT (6) = 4.130	X/LB	1.039
		PHI	
		.000	-.0170
		40.000	-.1980
MACH (2) = .903	BETAT (7) = 6.180	X/LB	1.039
		PHI	
		.000	-.0160
		40.000	-.2770
MACH (2) = .903	BETAT (8) = 8.240	X/LB	1.039
		PHI	
		.000	-.1050
		40.000	-.2760

(RBMF59)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 AMES 11-707 1A9 OBA + S3 + T9 BODY FLAP

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

MACH (3) = 1.103 BETAT (1) = -8.190	X/LB 1.039
	PHI .000
	40.000 -.0700
	40.000 -.0920
MACH (3) = 1.100 BETAT (2) = -6.140	X/LB 1.039
	PHI .000
	40.000 -.0780
	40.000 -.1010
MACH (3) = 1.103 BETAT (3) = -4.080	X/LB 1.039
	PHI .000
	40.000 -.0940
	40.000 -.0980
MACH (3) = 1.103 BETAT (4) = -2.030	X/LB 1.039
	PHI .000
	40.000 -.0820
	40.000 -.1070
MACH (3) = 1.103 BETAT (5) = 2.080	X/LB 1.039
	PHI .000
	40.000 -.0530
	40.000 -.1570
MACH (3) = 1.103 BETAT (6) = 4.140	X/LB 1.039
	PHI .000
	40.000 -.0560
	40.000 -.1750
MACH (3) = 1.101 BETAT (7) = 6.210	X/LB 1.039
	PHI .000
	40.000 -.0720
	40.000 -.2440
MACH (3) = 1.104 BETAT (8) = 8.260	X/LB 1.039
	PHI .000
	40.000 -.0720
	40.000 -.2620
MACH (4) = 1.246 BETAT (1) = -8.190	X/LB 1.039
	PHI .000
	40.000 -.0650
	40.000 .0630

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1ASA
 AMES 11-707 1A9 OBA + S3 + T9 BODY FLAP

(RBMFD9)

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

MACH (4) = 1.248	BETAT (2) = -6.110	X/LB	1.039
		PHI	
			-.0710
		40.000	.0350
MACH (4) = 1.249	BETAT (3) = -4.060	X/LB	1.039
		PHI	
			-.0740
		40.000	.0320
MACH (4) = 1.248	BETAT (4) = -2.020	X/LB	1.039
		PHI	
			-.0620
		40.000	-.0050
MACH (4) = 1.249	BETAT (5) = 2.070	X/LB	1.039
		PHI	
			-.0770
		40.000	-.1500
MACH (4) = 1.248	BETAT (6) = 4.110	X/LB	1.039
		PHI	
			-.0660
		40.000	-.1600
MACH (4) = 1.249	BETAT (7) = 6.170	X/LB	1.039
		PHI	
			-.0640
		40.000	-.1810
MACH (4) = 1.248	BETAT (8) = 8.210	X/LB	1.039
		PHI	
			-.0630
		40.000	-.2410

(RBMF10) (28 APR 75)

PARAMETRIC DATA

ALPHAT = 6.000 ORBINC = .500
 RUDDER = .000 ELEVON = .000
 RUFLR = .000

DATE 20 SEP 75 TABULATED PRESSURE DATA - 1A9A
 ANES 11-707 1A9 02A + S3 + T9 BODY FLAP

REFERENCE DATA

SREF = 2.4210 SQ.FT. YARP = 28.5300 INCHES
 LREF = 39.8490 INCHES YMRP = .0000 INCHES
 BREF = 39.8490 INCHES ZMRP = .0000 INCHES
 SCALE = .0300 SCALE

DEPENDENT VARIABLE CP

SECTION (1) BODY FLAP

MACH (1) = .997	BETAT (1) = -6.070	X/LB	PHI
		1.039	
		.000	-.1000
		40.000	-.1120
MACH (1) = .998	BETAT (2) = -6.050	X/LB	PHI
		1.039	
		.000	-.0720
		40.000	-.1160
MACH (1) = .997	BETAT (3) = -6.030	X/LB	PHI
		1.039	
		.000	-.0480
		40.000	-.1260
MACH (1) = .997	BETAT (4) = -2.000	X/LB	PHI
		1.039	
		.000	-.0220
		40.000	-.1340
MACH (1) = .998	BETAT (5) = .020	X/LB	PHI
		1.039	
		.000	-.0280
		40.000	-.1450
MACH (1) = .998	BETAT (6) = 2.060	X/LB	PHI
		1.039	
		.000	-.0540
		40.000	-.1510
MACH (1) = .997	BETAT (7) = 4.080	X/LB	PHI
		1.039	
		.000	-.1330
		40.000	-.1820
MACH (1) = .998	BETAT (8) = 6.130	X/LB	PHI
		1.039	
		.000	-.1580
		40.000	-.2310

DATE 20 SEP 73 TABULATED PRESSURE DATA - IASA

(RBNP10)

AVES 11-707 1A9 02A + S3 + T9 BODY FLAP

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

MACH (1) = .596	BETAT (9) = 8.170	X/LB	1.039
		PHI	
		.000	-.1490
		40.000	-.2000
MACH (2) = .901	BETAT (1) = -6.160	X/LB	1.039
		PHI	
		.000	-.0600
		40.000	-.1320
MACH (2) = .900	BETAT (2) = -6.110	X/LB	1.039
		PHI	
		.000	-.0260
		40.000	-.1200
MACH (2) = .903	BETAT (3) = -4.070	X/LB	1.039
		PHI	
		.000	-.0290
		40.000	-.1300
MACH (2) = .902	BETAT (4) = -2.670	X/LB	1.039
		PHI	
		.000	-.0640
		40.000	-.1330
MACH (2) = .902	BETAT (5) = 2.080	X/LB	1.039
		PHI	
		.000	-.0800
		40.000	-.1630
MACH (2) = .901	BETAT (6) = 4.130	X/LB	1.039
		PHI	
		.000	-.0220
		40.000	-.1960
MACH (2) = .901	BETAT (7) = 6.210	X/LB	1.039
		PHI	
		.000	-.0390
		40.000	-.2940
MACH (2) = .900	BETAT (8) = 8.260	X/LB	1.039
		PHI	
		.000	-.1620
		40.000	-.2530

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A

(RBMF10)

AMES 11-707 1A9 02A + S3 + T9 BODY FLAP

DEPENDENT VARIABLE CP

SECTION (1) BODY FLAP

MACH (3) = 1.103	BETAT (1) = -8.180	X/LB	1.039
		PHI	
		.000	-.0640
		40.000	-.0660
MACH (3) = 1.103	BETAT (2) = -6.130	X/LB	1.039
		PHI	
		.000	-.0740
		40.000	-.1000
MACH (3) = 1.102	BETAT (3) = -4.080	X/LB	1.039
		PHI	
		.000	-.0800
		40.000	-.1030
MACH (3) = 1.102	BETAT (4) = -2.080	X/LB	1.039
		PHI	
		.000	-.0960
		40.000	-.0990
MACH (3) = 1.102	BETAT (5) = 2.080	X/LB	1.039
		PHI	
		.000	-.0770
		40.000	-.1530
MACH (3) = 1.102	BETAT (6) = 4.140	X/LB	1.039
		PHI	
		.000	-.0660
		40.000	-.1720
MACH (3) = 1.100	BETAT (7) = 6.210	X/LB	1.039
		PHI	
		.000	-.0560
		40.000	-.2040
MACH (3) = 1.106	BETAT (8) = 8.200	X/LB	1.039
		PHI	
		.000	-.0580
		40.000	-.2260
MACH (4) = 1.246	BETAT (1) = -8.140	X/LB	1.039
		PHI	
		.000	-.1040
		40.000	-.1040

DATE 20 SEP 73 TABULATED PRESSURE DATA - IASA
 AVES 11-707 1A9 02A + S3 + T9 BODY FLAP

(RBMF10)

DEPENDENT VARIABLE CP

SECTION (1) BODY FLAP

MACH (4) = 1.248	BETAT (2) = -6.080	X/LB	1.039
		PHI	
		.000	-.0440
		40.000	.0090
MACH (4) = 1.250	BETAT (3) = -4.050	X/LB	1.039
		PHI	
		.000	-.0730
		40.000	-.0100
MACH (4) = 1.249	BETAT (4) = -2.020	X/LB	1.039
		PHI	
		.000	-.0730
		40.000	-.0330
MACH (4) = 1.245	BETAT (5) = 2.070	X/LB	1.039
		PHI	
		.000	-.0770
		40.000	-.1410
MACH (4) = 1.247	BETAT (6) = 4.120	X/LB	1.039
		PHI	
		.000	-.0610
		40.000	-.1560
MACH (4) = 1.246	BETAT (7) = 6.160	X/LB	1.039
		PHI	
		.000	-.0500
		40.000	-.1720
MACH (4) = 1.247	BETAT (8) = 8.220	X/LB	1.039
		PHI	
		.000	-.0550
		40.000	-.2260

TABULATED PRESSURE DATA - 1A9A

DATE 20 SEP 73

(RBNF11) (28 APR 73)

AMES 11-707 1A9 02A + S3 + T9 BODY FLAP

REFERENCE DATA

REF = 2.4210 32.1 FT. XREF = 28.5300 INCHES
 LREF = 39.8490 INCHES YREF = .0000 INCHES
 BREF = 39.8490 INCHES ZREF = .0000 INCHES
 SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHAT = 8.000 ORBINC = .500
 RUDDER = .000 ELEVON = .000
 RUDFLR = .000

DEPENDENT VARIABLE CP

SECTION (1) BODY FLAP

MACH (1) = .599	BETAT (1) = -8.040	X/LB	PHI
		1.039	
		.000	-.0680
		40.000	-.1020
MACH (1) = .597	BETAT (2) = -8.050	X/LB	PHI
		1.039	
		.000	-.1150
		40.000	-.1150
MACH (1) = .597	BETAT (3) = -4.010	X/LB	PHI
		1.039	
		.000	-.0660
		40.000	-.1190
MACH (1) = .599	BETAT (4) = -2.000	X/LB	PHI
		1.039	
		.000	-.0410
		40.000	-.1260
MACH (1) = .600	BETAT (5) = .020	X/LB	PHI
		1.039	
		.000	-.0480
		40.000	-.1290
MACH (1) = .596	BETAT (6) = 2.060	X/LB	PHI
		1.039	
		.000	-.0820
		40.000	-.1360
MACH (1) = .597	BETAT (7) = 3.060	X/LB	PHI
		1.039	
		.000	-.1210
		40.000	-.1490
MACH (1) = .600	BETAT (8) = 4.100	X/LB	PHI
		1.039	
		.000	-.1520
		40.000	-.1680

DATE 20 SEP 75 TABULATED PRESSURE DATA - 1A9A
 AMES 11-707 1A9 OCA + S3 + T9 BODY FLAP (RBMF11)

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

MACH (1) = .601 BETAT (9) = 6.150	X/LB 1.039	PHI	.000	-.1350	40.000	-.2070
MACH (1) = .600 BETAT (10) = 8.190	X/LB 1.039	PHI	.000	-.0920	40.000	-.2100
MACH (2) = .900 BETAT (1) = -8.140	X/LB 1.039	PHI	.000	-.0630	40.000	-.1300
MACH (2) = .903 BETAT (2) = -6.080	X/LB 1.039	PHI	.000	-.0510	40.000	-.1240
MACH (2) = .905 BETAT (3) = -4.080	X/LB 1.039	PHI	.000	-.0390	40.000	-.1180
MACH (2) = .901 BETAT (4) = -2.020	X/LB 1.039	PHI	.000	-.0270	40.000	-.1380
MACH (2) = .901 BETAT (5) = 2.080	X/LB 1.039	PHI	.000	-.0480	40.000	-.1520
MACH (2) = .900 BETAT (6) = 4.150	X/LB 1.039	PHI	.000	-.0380	40.000	-.1870
MACH (2) = .912 BETAT (7) = 6.200	X/LB 1.039	PHI	.000	-.0440	40.000	-.2380

(RBMF11)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
AMES 11-707 1A9 OEA + S3 + T9 BODY FLAP

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

MACH (2) = .900	BETAT (8) = 8.280	X/LB PHI	1.039
		.000	-.0535
		40.000	-.2590
MACH (3) = 1.103	BETAT (1) = -0.150	X/LB PHI	1.039
		.000	-.0620
		40.000	-.0640
MACH (3) = 1.096	BETAT (2) = -0.110	X/LB PHI	1.039
		.000	-.0640
		40.000	-.0660
MACH (3) = 1.102	BETAT (3) = -4.090	X/LB PHI	1.039
		.000	-.0620
		40.000	-.1120
MACH (3) = 1.101	BETAT (4) = -2.030	X/LB PHI	1.039
		.000	-.0630
		40.000	-.1060
MACH (3) = 1.101	BETAT (5) = 2.090	X/LB PHI	1.039
		.000	-.0780
		40.000	- . 580
MACH (3) = 1.103	BETAT (6) = 4.130	X/LB PHI	1.039
		.000	-.1670
		40.000	-.1790
MACH (3) = 1.100	BETAT (7) = 6.230	X/LB PHI	1.139
		.000	-.1690
		40.000	-.1690
MACH (3) = 1.100	BETAT (8) = 8.340	X/LB PHI	1.139
		.000	-.1730
		40.000	-.2160

(RBMF11)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1ASA
 AVES 11-707 1A9 02A + S3 + T9 BODY FLAP

SECTION (1) BODY FLAP		DEPENDENT VARIABLE CP	
MACH (4) = 1.245	BETAT (1) = -8.110	X/LB	1.039
		PHI	
		.000	-.0480
		40.000	.0420
MACH (4) = 1.249	BETAT (2) = -6.070	X/LB	1.039
		PHI	
		.000	-.0460
		40.000	.0160
MACH (4) = 1.249	BETAT (3) = -4.040	X/LB	1.039
		PHI	
		.000	-.0550
		40.000	-.0450
MACH (4) = 1.248	BETAT (4) = -2.020	X/LB	1.039
		PHI	
		.000	-.0620
		40.000	-.0760
MACH (4) = 1.246	BETAT (5) = 2.080	X/LB	1.039
		PHI	
		.000	-.0650
		40.000	-.1210
MACH (4) = 1.247	BETAT (6) = 4.130	X/LB	1.039
		PHI	
		.000	-.0500
		40.000	-.1470
MACH (4) = 1.246	BETAT (7) = 6.180	X/LB	1.039
		PHI	
		.000	-.0440
		40.000	-.1600
MACH (4) = 1.247	BETAT (8) = 8.250	X/LB	1.039
		PHI	
		.000	-.0340
		40.000	-.1770

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

PAGE 1078

(RBMF12) (28 APR 73)

AMES 11-707 1A9 02A + S3 + T9 BODY FLAP

REFERENCE DATA

REF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
REF = 39.8490 INCHES YMRP = .0000 INCHES
REF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHAT = -8.0000 ORBITAL = .500
RUDDER = -5.0000 ELEVON = .000
RUDFLR = .000

DEPENDENT VARIABLE CP

SECTION (1) BODY FLAP

MACH (1) = 1.101	BETAT (1) = -8.170	X/LB	PHI
		1.039	
		.000	-.1630
		40.000	-.1920
MACH (1) = 1.100	BETAT (2) = -4.070	X/LB	PHI
		1.039	
		.000	-.1370
		40.000	-.2370
MACH (1) = 1.087	BETAT (3) = .020	X/LB	PHI
		1.039	
		.000	-.1280
		40.000	-.2400
MACH (1) = 1.069	BETAT (4) = 4.160	X/LB	PHI
		1.039	
		.000	-.1400
		40.000	-.2760
MACH (1) = 1.105	BETAT (5) = 8.300	X/LB	PHI
		1.039	
		.000	-.1910
		40.000	-.2960
MACH (2) = 1.250	BETAT (1) = -8.120	X/LB	PHI
		1.039	
		.000	-.1430
		40.000	-.0060
MACH (2) = 1.251	BETAT (2) = -4.050	X/LB	PHI
		1.039	
		.000	-.1290
		40.000	-.1450
MACH (2) = 1.246	BETAT (3) = .020	X/LB	PHI
		1.039	
		.000	-.1390
		40.000	-.1750

(RBMF12)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 AVES 11-707 1A9 OCA + S3 + T9 BODY FLAP

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

MACH (2) = 1.245	BETAT (4) = 4.135	X/LB	1.039
		FHI	
		.000	-.1440
		40.000	-.2320
MACH (2) = 1.247	BETAT (5) = 8.255	X/LB	1.039
		FHI	
		.000	-.1880
		40.000	-.3010

(RBNF13) (28 APR 73)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
AMES 11-707 1A9 O2A + S3 + T9 BODY FLAP

PARAMETRIC DATA

ALPHAT = -6.0000 ORBINC = .5000
RUDDER = -5.0000 ELEVON = .0000
RUFLR = .0000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.9490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

DEPENDENT VARIABLE CP

SECTION (1) BODY FLAP

MACH (1) = 1.102	BETAT (1) = -0.180	X/LB	PHI
		1.039	
		.000	-.1400
		40.000	-.1750

MACH (1) = 1.098	BETAT (2) = -4.080	X/LB	PHI
		1.039	
		.000	-.1280
		40.000	-.2150

MACH (1) = 1.101	BETAT (3) = .080	X/LB	PHI
		1.039	
		.000	-.1040
		40.000	-.2310

MACH (1) = 1.097	BETAT (4) = 4.140	X/LB	PHI
		1.039	
		.000	-.1470
		40.000	-.2710

MACH (1) = 1.102	BETAT (5) = 0.290	X/LB	PHI
		1.039	
		.000	-.1810
		40.000	-.2770

MACH (2) = 1.245	BETAT (1) = -0.130	X/LB	PHI
		1.039	
		.000	-.1120
		40.000	.1460

MACH (2) = 1.231	BETAT (2) = -4.160	X/LB	PHI
		1.039	
		.000	-.1180
		40.000	-.1520

MACH (2) = 1.246	BETAT (3) = .020	X/LB	PHI
		1.039	
		.000	-.1220
		40.000	-.1740

(RNF13)

TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 02A + S3 + T9 BODY FLAP

DATE 20 SEP 73

DEPENDENT VARIABLE CP

SECTION (1) BODY FLAP

MACH (2) = 1.245	BETAT (4) = 4.120	X/LB 1.039
		PHI
		.000
		40.000
		-.1300
		-.2250
MACH (2) = 1.247	BETAT (5) = 8.230	X/LB 1.039
		PHI
		.000
		40.000
		-.1370
		-.2840

TABULATED PRESSURE DATA - 1A9A

DATE 20 SEP 73

APES 11-707 1A9 CEA + S3 + T9 BODY FLAP

(RBMF14) (28 APR 73)

REFERENCE DATA

SREF = 2.4210 59. FT. XMRP = 28.5300 INCHES
 LREF = 39.8490 INCHES YMRP = .0000 INCHES
 BREF = 39.8490 INCHES ZMRP = .0000 INCHES
 SCALE = .0025 SCALE

PARAMETRIC DATA

ALPHAT = -4.0000 ORBINC = .900
 RUDDER = -5.0000 ELEVON = .000
 RUDFLR = .0000

DEPENDENT VARIABLE CP

SECTION (1) BODY FLAP	X/LB	PHI
MACH (1) = 1.098 BETAT (1) = -8.190	1.039	.000
		40.000
		-0.1250
MACH (1) = 1.101 BETAT (2) = -4.080	1.039	.000
		40.000
		-0.0980
		-0.1790
MACH (1) = 1.099 BETAT (3) = .020	1.039	.000
		40.000
		-0.7850
		-0.2150
MACH (1) = 1.103 BETAT (4) = 4.130	1.039	.000
		40.000
		-0.1110
		-0.2460
MACH (1) = 1.099 BETAT (5) = 8.260	1.039	.000
		40.000
		-0.1080
		-0.2690
MACH (2) = 1.246 BETAT (1) = -8.140	1.039	.000
		40.000
		-0.1090
		0.0220
MACH (2) = 1.244 BETAT (2) = -4.060	1.039	.000
		40.000
		-0.1140
		-0.0370
MACH (2) = 1.247 BETAT (3) = .020	1.039	.000
		40.000
		-0.0920
		-0.1540

TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 OEA + 33 + T9 BODY FLAP

(REF 14)

DEPENDENT VARIABLE CP

SECTION (1) BODY FLAP

PAC (2) = 1.245	BETAT (4) = 4.110	X/LB	1.039
		PHI	
		.000	-.0000
		40.000	-.1500
PAC (2) = 1.250	BETAT (5) = 6.210	X/LB	1.039
		PHI	
		.000	-.1230
		40.000	-.2760

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

(RBNF15) (28 APR 73)

AMES 11-707 1A9 CEA + 83 + T9 BODY FLAP

PARAMETRIC DATA

ALPHAT = -2.000 ORBINC = .500
 RUDDER = -5.000 ELEVON = .000
 RUDDLR = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.9300 INCHES
 LREF = 39.8490 INCHES YMRP = .0000 INCHES
 BREF = 39.8490 INCHES ZMRP = .0000 INCHES
 SCALE = .0000 SCALE

SECTION (1) BODY FLAP

DEPENDENT VARIABLE CP

MACH (1) = 1.164	BETAT (1) = -0.200	X/LB	PHI
		1.039	
		.000	-.0860
		40.000	-.1150
MACH (1) = 1.108	BETAT (2) = -4.080	X/LB	PHI
		1.039	
		.000	-.0800
		40.000	-.1530
MACH (1) = 1.108	BETAT (3) = .050	X/LB	PHI
		1.039	
		.000	-.0760
		40.000	-.1970
MACH (1) = 1.097	BETAT (4) = 4.140	X/LB	PHI
		1.039	
		.000	-.0580
		40.000	-.2287
MACH (1) = 1.100	BETAT (5) = 0.250	X/LB	PHI
		1.039	
		.000	-.0660
		40.000	-.2660
MACH (2) = 1.249	BETAT (1) = -0.150	X/LB	PHI
		1.039	
		.000	-.0970
		40.000	.0320
MACH (2) = 1.249	BETAT (2) = -4.070	X/LB	PHI
		1.039	
		.000	-.0990
		40.000	-.1230
MACH (2) = 1.247	BETAT (3) = .020	X/LB	PHI
		1.039	
		.000	-.0790
		40.000	-.1200

DATE 25 SEP 73 TABULATED PRESSURE DATA - 1A9A

(RBMF15)

AVES 11-707 1A9 02A + S3 + T9 BODY FLAP

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

MACH (2) = 1.247	BETAT (4) = 4.110	X/LB 1.039	
		PHI	
		.000	-.0800
		40.000	-.1800
MACH (2) = 1.246	BETAT (5) = 6.200	X/LB 1.039	
		PHI	
		.000	-.1170
		40.000	-.2100

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A

(RMF16) (28 APR 73)

AMES 11-707 1A9 Q2A + S3 + T9 BODY FLAP

PARAMETRIC DATA

ALPHAT = .000 ORBINC = .500
 RUDDER = -.000 ELEVON = .000
 RUFLR = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XPRP = 28.5300 INCHES
 LREF = 39.8490 INCHES YPRP = .0000 INCHES
 BREF = 39.8490 INCHES ZPRP = .0000 INCHES
 SCALE = .0320 SCALE

DEPENDENT VARIABLE CP

SECTION (1) BODY FLAP

MACH (1) = 1.101 BETAT (1) = -0.210
 X/LB 1.039
 PHI .000 -.1050
 40.000 -.1170

MACH (1) = 1.096 BETAT (2) = -4.080
 X/LB 1.039
 PHI .000 -.0860
 40.000 -.1200

MACH (1) = 1.100 BETAT (3) = .000
 X/LB 1.039
 PHI .000 -.0640
 40.000 -.1710

MACH (1) = 1.100 BETAT (4) = 4.130
 X/LB 1.039
 PHI .000 -.0340
 40.000 -.2070

MACH (1) = 1.099 BETAT (5) = 0.250
 X/LB 1.039
 PHI .000 -.0940
 40.000 -.2510

MACH (2) = 1.247 BETAT (1) = -0.190
 X/LB 1.039
 PHI .000 -.1110
 40.000 .0480

MACH (2) = 1.249 BETAT (2) = -4.070
 X/LB 1.039
 PHI .000 -.10910
 40.144 -.14620

MACH (2) = 1.247 BETAT (3) = .020
 X/LB 1.039
 PHI .000 -.10660
 40.144 -.10970

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

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ANES 11-707 1A9 02A + S3 + T9 BODY FLAP

(RBMF16)

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

MACH (2) = 1.244	BETAT (4) = 4.110	X/LB	1.039
		PHI	
		.000	-.0800
		40.000	-.1840
MACH (2) = 1.244	BETAT (5) = 0.200	X/LB	1.039
		PHI	
		.000	-.1210
		40.000	-.2520

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

(RBMF17) (28 APR 73)

AMES 11-707 1A9 02A + S3 + T9 BODY FLAP

REFERENCE DATA

BREF = 2.4210 SQ.FT. XREF = 28.5300 INCHES
 LREF = 39.8490 INCHES YREF = .0000 INCHES
 BREF = 39.8490 INCHES ZREF = .0000 INCHES
 SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHAT = 2.000 ORBINC = .500
 RUDDER = -5.000 ELEVON = .000
 RUDFLR = .000

DEPENDENT VARIABLE CP

SECTION (1) BODY FLAP

MACH (1) = 1.102	BETAT (1) = -8.200	X/LB	PHI
		1.039	
		.000	-.0850
		40.000	-.1130
MACH (1) = 1.099	BETAT (2) = -4.080	X/LB	PHI
		1.039	
		.000	-.0830
		40.000	-.0950
MACH (1) = 1.102	BETAT (3) = .020	X/LB	PHI
		1.039	
		.000	-.0560
		40.000	-.1390
MACH (1) = 1.100	BETAT (4) = 4.130	X/LB	PHI
		1.039	
		.000	-.0810
		40.000	-.1930
MACH (1) = 1.099	BETAT (5) = 8.230	X/LB	PHI
		1.039	
		.000	-.0900
		40.000	-.2700
MACH (2) = 1.244	BETAT (1) = -8.150	X/LB	PHI
		1.039	
		.000	-.1140
		40.000	.0520
MACH (2) = 1.231	BETAT (2) = -4.060	X/LB	PHI
		1.039	
		.000	-.0960
		40.000	.0080
MACH (2) = 1.248	BETAT (3) = .020	X/LB	PHI
		1.039	
		.000	-.0670
		40.000	-.0940

(REF17)

TABULATED PRESSURE DATA - 1A9A

AVES 11-707 1A9 02A + S3 + T9 BODY FLAP

DEPENDENT VARIABLE CP

SECTION (1) BODY FLAP

MACH (2) = 1.244 BETAT (4) = 4.100

X/LB	PHI	CP
1.039		
.000		-.0820
40.000		-.1710

MACH (2) = 1.245 BETAT (5) = 8.200

X/LB	PHI	CP
1.039		
.000		-.1180
40.000		-.2630

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

(RBNF18) (28 APR 75)

AMES 11-707 1A9 02A + S3 + T9 BODY FLAP

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
 LREF = 39.8490 INCHES YMRP = .0000 INCHES
 BREF = 39.8490 INCHES ZMRP = .0000 INCHES
 SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHAT = 4.000 ORBINC = .500
 RUDDER = -5.000 ELEVON = .000
 RUDFLR = .000

DEPENDENT VARIABLE CP

SECTION (1) BODY FLAP

MACH (1) = 1.101	BETAT (1) = -8.200	X/LB	PHI
		1.039	
		.000	-.0710
		40.000	-.0940
MACH (1) = 1.099	BETAT (2) = -4.080	X/LB	PHI
		1.039	
		.000	-.0940
		40.000	-.0940
MACH (1) = 1.088	BETAT (3) = .020	X/LB	PHI
		1.039	
		.000	-.0950
		40.000	-.1280
MACH (1) = 1.100	BETAT (4) = 4.130	X/LB	PHI
		1.039	
		.000	-.0800
		40.000	-.1930
MACH (1) = 1.098	BETAT (5) = 8.260	X/LB	PHI
		1.039	
		.000	-.0770
		40.000	-.2600
MACH (2) = 1.244	BETAT (1) = -8.140	X/LB	PHI
		1.039	
		.000	-.0790
		40.000	.0480
MACH (2) = 1.244	BETAT (2) = -4.060	X/LB	PHI
		1.039	
		.000	-.0650
		40.000	.0100
MACH (2) = 1.247	BETAT (3) = .020	X/LB	PHI
		1.039	
		.000	-.0620
		40.000	-.1730

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 AXES 11-707 1A9 02A + S3 + T9 BODY FLAP

(RBNF18)

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

MACH (2) = 1.249	BETAT (4) = 4.120	X/LB	1.039
		PHI	
		.000	-.0960
		40.000	-.1630
MACH (2) = 1.245	BETAT (5) = 6.210	X/LB	1.039
		PHI	
		.000	-.0970
		40.000	-.2670

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A

(RBMF19) (28 APR 73)

AMES 11-707 1A9 Q2A + S3 + 19 BODY FLAP

PARAMETRIC DATA

ALPHAT = 6.0000 ORBINC = .5000
RUDDER = -5.0000 ELEVON = .5000
RUOFLR = .0000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.3490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

SECTION (1) BODY FLAP		DEPENDENT VARIABLE CP	
MACH	(1) = 1.101 BETAT (1) = -8.160	X/LB	1.039
		PHI	
		.000	-.0750
		40.000	-.1020
MACH	(1) = 1.096 BETAT (2) = -4.080	X/LB	1.039
		PHI	
		.000	-.0970
		40.000	-.1020
MACH	(1) = 1.101 BETAT (3) = .020	X/LB	1.039
		PHI	
		.000	-.0950
		40.000	-.1300
MACH	(1) = 1.103 BETAT (4) = 4.150	X/LB	1.039
		PHI	
		.000	-.0700
		40.000	-.1820
MACH	(1) = 1.100 BETAT (5) = 8.280	X/LB	1.039
		PHI	
		.000	-.0660
		40.000	-.2450
MACH	(2) = 1.246 BETAT (1) = -8.120	X/LB	1.039
		PHI	
		.000	-.0720
		40.000	.0280
MACH	(2) = 1.250 BETAT (2) = -4.050	X/LB	1.039
		PHI	
		.000	-.1430
		40.000	-.0190
MACH	(2) = 1.247 BETAT (3) = .010	X/LB	1.039
		PHI	
		.000	-.1430
		40.000	-.1210

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 AMES 11-707 1A9 02A + S3 + T9 BODY FLAP

(RBMF19)

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

MACH (2) = 1.245	BETAT (4) = 4.120	X/LB	1.039
		PHI	
		.000	-.0620
		40.000	-.1660
MACH (2) = 1.244	BETAT (5) = 0.230	X/LB	1.039
		PHI	
		.000	-.0670
		40.000	-.2400

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

(RBMF2U) (28 APR 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
 LREF = 39.8490 INCHES YMRP = .0000 INCHES
 BREF = 39.8490 INCHES ZMRP = .0000 INCHES
 SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHAT = 8.000 ORBINC = .900
 RUDDER = -5.000 ELEVON = .000
 RUFLR = .000

DEPENDENT VARIABLE CP

SECTION / 1) BODY FLAP

MACH (1) = 1.101	BETAT (1) = -8.160	X/LB	PHI
		1.039	
		.000	-.0770
		40.000	-.1070
MACH (1) = 1.101	BETAT (2) = -4.070	X/LB	PHI
		1.039	
		.000	-.0940
		40.000	-.1110
MACH (1) = 1.099	BETAT (3) = .080	X/LB	PHI
		1.039	
		.000	-.0280
		40.000	-.1220
MACH (1) = 1.100	BETAT (4) = 4.160	X/LB	PHI
		1.039	
		.000	-.0680
		40.000	-.1690
MACH (1) = 1.099	BETAT (5) = 6.300	X/LB	PHI
		1.039	
		.000	-.0770
		40.000	-.2170
MACH (2) = 1.246	BETAT (1) = -8.110	X/LB	PHI
		1.039	
		.000	-.0620
		40.000	.0200
MACH (2) = 1.246	BETAT (2) = -4.040	X/LB	PHI
		1.039	
		.000	-.0650
		40.000	-.1570
MACH (2) = 1.245	BETAT (3) = .010	X/LB	PHI
		1.039	
		.000	-.0350
		40.000	-.1110

DATE 21 SEP 73 TABULATED PRESSURE DATA - 1A9A
 AMES 11-707 1A9 C2A + S3 + T9 BODY FLAP

(RBMF20)

SECTION (1) BODY FLAP		DEPENDENT VARIABLE CP	
MACH (2) = 1.245	BETAT (4) = 4.130	X/LB	1.039
		PHI	
		.000	-.0780
		40.000	-.1665
MACH (2) = 1.243	BETAT (5) = 7.210	X/LB	1.039
		PHI	
		.000	-.0760
		40.000	-.2030

DATE 20 SEP 75

TABULATED PRESSURE DATA - 1A9A

SIZES 11-707 1A9 02A + S3 + T9 BODY FLAP

(RBMF21) (20 APR 75)

REFERENCE DATA

SWEP = 2.4210 90.FI. 10RP = 20.5320 INCHES
 LWRP = 39.8490 INCHES YWRP = .1410 INCHES
 SWEP = 39.8490 INCHES ZWRP = .1410 INCHES
 SCALE = .0320 SCALE

PARAMETRIC DATA

ALPHAT = -8.000 ORBINC = .500
 RUDDER = -10.000 ELEVON = .000
 RUFLR = .000

DEPENDENT VARIABLE CP

SECTION (1) BODY FLAP

MACH (1) = 1.100	BETAT (1) = -0.170	X/LB	PHI
		1.039	
		.000	-.1710
		40.000	-.1960
MACH (1) = 1.104	BETAT (2) = -4.080	X/LB	PHI
		1.039	
		.000	-.1490
		40.000	-.2340
MACH (1) = 1.099	BETAT (3) = .080	X/LB	PHI
		1.039	
		.000	-.1210
		40.000	-.2360
MACH (1) = 1.101	BETAT (4) = 4.180	X/LB	PHI
		1.039	
		.000	-.1530
		40.000	-.2790
MACH (1) = 1.100	BETAT (5) = 0.300	X/LB	PHI
		1.039	
		.000	-.1750
		40.000	-.3230
MACH (2) = 1.245	BETAT (1) = -0.120	X/LB	PHI
		1.039	
		.000	-.1490
		40.000	-.1450
MACH (2) = 1.252	BETAT (2) = -4.080	X/LB	PHI
		1.039	
		.000	-.1250
		40.000	-.1410
MACH (2) = 1.250	BETAT (3) = .080	X/LB	PHI
		1.039	
		.000	-.1410
		40.000	-.1760

(RBMF21)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 AMES 11-707 1A9 02A + S3 + T9 BODY FLAP

SECTION (1) BODY FLAP	DEPENDENT VARIABLE CP	
MACH (2) = 1.246 BETAT (4) = 4.130	X/LB 1.039	
	PHI .000	
	40.000 -.1390	
	40.000 -.2280	
MACH (2) = 1.247 BETAT (5) = 8.260	X/LB 1.039	
	PHI .000	
	40.000 -.1620	
	40.000 -.3100	

(RBW22) (28 APR 73)

DATE 20 SEP 73
 TABULATED PRESSURE DATA - 1A9A
 ANES 11-707 1A9 OCA + S3 + T9 BODY FLAP

PARAMETRIC DATA

ALPHAT = -6.000 ORBINC = .500
 RUDDER = -10.000 ELEVON = .000
 RUFLR = .000

REFERENCE DATA

SWP = 2.4210 90.FT. XWRP = 26.5300 INCHES
 LWFP = 39.8490 INCHES YWRP = .0000 INCHES
 SWFP = 39.8490 INCHES ZWRP = .0000 INCHES
 SCALE = .0000 SCALE

DEPENDENT VARIABLE CP

SECTION (1) BODY FLAP

	X/LB	1.039
MACH (1) = 1.101 BETAT (1) = -0.190	PHI	.000
		-0.1270
		40.000
		-0.1680
MACH (1) = 1.087 BETAT (2) = -4.080	X/LB	1.039
	PHI	.000
		-0.1250
		40.000
		-0.2150
MACH (1) = 1.088 BETAT (3) = .080	X/LB	1.039
	PHI	.000
		-0.1220
		40.000
		-0.2270
MACH (1) = 1.100 BETAT (4) = 4.140	X/LB	1.039
	PHI	.000
		-0.1420
		40.000
		-0.2680
MACH (1) = 1.089 BETAT (5) = 8.280	X/LB	1.039
	PHI	.000
		-0.1480
		40.000
		-0.3040
MACH (2) = 1.247 BETAT (1) = -9.140	X/LB	1.039
	PHI	.000
		-0.1140
		40.000
		0.0110
MACH (2) = 1.247 BETAT (2) = -4.080	X/LB	1.039
	PHI	.000
		-0.1130
		40.000
		-0.0480
MACH (2) = 1.250 BETAT (3) = .020	X/LB	1.039
	PHI	.000
		-0.1120
		40.000
		-0.1740

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A
 ANES 11-707 1A9 02A + S3 + T9 BODY FLAP

(RBMF22)

SECTION (1) BODY FLAP
 DEPENDENT VARIABLE CP

MACH (2) = 1.250	BETAT (4) = 4.120	X/LB	1.039
		PHI	
		.000	-.1170
		40.000	-.2070
MACH (2) = 1.249	BETAT (5) = 8.230	X/LB	1.039
		PHI	
		.000	-.1150
		40.000	-.2080

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

(RBMF23) (28 APR 73)

AVES 11-707 1A9 02A + S3 + T9 BODY FLAP

PARAMETRIC DATA

ALPHAT = -4.000 ORBINC = .500
 RUDDER = -10.000 ELEVON = .000
 RUOFLR = .000

REFERENCE DATA

SWEP = 2.4210 50.FT. 1000P = 28.5300 INCHES
 LREF = 39.8490 INCHES YREF = .0000 INCHES
 BREF = 39.8490 INCHES ZREF = .0000 INCHES
 SCALE = .0000 SCALE

DEPENDENT VARIABLE CP

SECTION (1) BODY FLAP

MACH (1) = 1.009	BETAT (1) = -0.200	X/LB	PHI
		1.039	
		.000	-.0070
		40.000	-.1290
MACH (1) = 1.007	BETAT (2) = -4.000	X/LB	PHI
		1.039	
		.000	-.1040
		40.000	-.1620
MACH (1) = 1.102	BETAT (3) = .000	X/LB	PHI
		1.039	
		.000	-.0700
		40.000	-.2080
MACH (1) = 1.102	BETAT (4) = 4.140	X/LB	PHI
		1.039	
		.000	-.1040
		40.000	-.2480
MACH (1) = 1.000	BETAT (5) = 0.200	X/LB	PHI
		1.039	
		.000	-.0960
		40.000	-.3030
MACH (2) = 1.240	BETAT (1) = -6.150	X/LB	PHI
		1.039	
		.000	-.1060
		40.000	-.1620
MACH (2) = 1.240	BETAT (2) = -4.060	X/LB	PHI
		1.039	
		.000	-.0950
		40.000	-.1620
MACH (2) = 1.240	BETAT (3) = .000	X/LB	PHI
		1.039	
		.000	-.1110
		40.000	-.1580

DATE 20 SEP 71 TABULATED PRESSURE DATA - 7A9A
 ANES 11-707 1A9 02A + 33 + 79 BODY FLAP (RBIF23)

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

MACH (2) = 1.247	BETAT (4) = 4.120	Z/LB	1.039
		PHI	
		.000	-.1095
		40.000	-.2040
MACH (2) = 1.246	BETAT (5) = 8.210	X/LB	1.039
		PHI	
		.000	-.0960
		40.000	-.2820

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A

AVES 11-707 1A9 02A + S3 + T9 BODY FLAP

(RBMF24) (28 APR 73)

PARAMETRIC DATA

ALPHAT = -2.000 ORBINC = .500
 RUDDER = -10.000 ELEVON = .000
 RUDFLR = .000

REFERENCE DATA

SWEP = 2.4210 50.FT. XMRP = 28.5300 INCHES
 LREF = 39.8490 INCHES YMRP = .0000 INCHES
 SWEP = 39.8490 INCHES ZMRP = .0000 INCHES
 SCALE = .0300 SCALE

DEPENDENT VARIABLE CP

SECTION (1) BODY FLAP

MACH (1) = 1.100	BETAT (1) = -0.800	X/LB	PHI
		1.039	
		.000	-.1040
		40.000	-.1140
MACH (1) = 1.080	BETAT (2) = -0.080	X/LB	1.039
		PHI	
		.000	-.0690
		40.000	-.1370
MACH (1) = 1.060	BETAT (3) = .000	X/LB	1.039
		PHI	
		.000	-.0750
		40.000	-.1680
MACH (1) = 1.040	BETAT (4) = 4.130	X/LB	1.039
		PHI	
		.000	-.0690
		40.000	-.2270
MACH (1) = 1.100	BETAT (5) = 0.250	X/LB	1.039
		PHI	
		.000	-.0690
		40.000	-.2270
MACH (2) = 1.240	BETAT (1) = -0.150	X/LB	1.039
		PHI	
		.000	-.0690
		40.000	-.2270
MACH (2) = 1.240	BETAT (2) = -4.070	X/LB	1.039
		PHI	
		.000	-.0690
		40.000	-.2270
MACH (2) = 1.240	BETAT (3) = .080	X/LB	1.039
		PHI	
		.000	-.0690
		40.000	-.2270

DATE 25 SEP 73

TABULATED PRESSURE DATA - 1A9A
 AMES 11-707 1A9 02A + S3 + T9 BODY FLAP

(RBMF24)

SECTION (1) BODY FLAP
 DEPENDENT VARIABLE CP

MACH (2) = 1.249	BETAT (4) = 4.110	X/LB	1.039
		PHI	
		.000	-.0700
		40.000	-.1880
MACH (2) = 1.248	BETAT (5) = 6.200	X/LB	1.039
		PHI	
		.000	-.1050
		40.000	-.2730

(RBW25) (28 APR 73)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
AVES 11-707 1A9 02A + S3 + 19 BODY FLAP

PARAMETRIC DATA

ALPHAT = .000 ORBINC = .500
RUDDER = -10.000 ELEVON = .000
RUDFLR = .000

REFERENCE DATA

SRCP = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LMRP = 39.8490 INCHES YMRP = .0000 INCHES
ZMRP = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

DEPENDENT VARIABLE CP

SECTION (1) BODY FLAP

MACH (1) = 1.098 BETAT (1) = -8.200
X/LB 1.039
PHI .000
40.000 -1.180

MACH (1) = 1.098 BETAT (2) = -4.090
X/LB 1.039
PHI .000
40.000 -1.040

MACH (1) = 1.098 BETAT (3) = .080
X/LB 1.039
PHI .000
40.000 -1.170

MACH (1) = 1.100 BETAT (4) = 4.130
X/LB 1.039
PHI .000
40.000 -1.050

MACH (1) = 1.096 BETAT (5) = 8.260
X/LB 1.039
PHI .000
40.000 -1.070

MACH (2) = 1.246 BETAT (1) = -8.160
X/LB 1.039
PHI .000
40.000 -1.160

MACH (2) = 1.246 BETAT (2) = -4.070
X/LB 1.039
PHI .000
40.000 -1.060

MACH (2) = 1.249 BETAT (3) = .080
X/LB 1.039
PHI .000
40.000 -1.070

DATE 20 SEP 77 TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 Q2A + S3 + T9 BODY FLAP

(EDMF25)

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

MACH (2) = 1.251	BETAT (4) = 4.110	X/LB 1.039
		PHI
		.000 -.0740
		40.000 -.1780
MACH (2) = 1.248	BETAT (5) = 8.200	X/LB 1.039
		PHI
		.000 -.1000
		40.000 -.2650

(RBMF26) (26 APR 75)

DATE 20 SEP 75 TABULATED PRESSURE DATA - 1A9A
AVES 11-707 1A9 02A + S3 + T9 BODY FLAP

PARAMETRIC DATA

ALPHAT = 2.000 ORBINC = .500
RUDRER = -10.000 ELEVON = .000
RUDFLR = .000

REFERENCE DATA

SRFP = 2.4210 89.FT. XGRP = 28.5300 INCHES
LRFP = 39.6490 INCHES YGRP = .0000 INCHES
BRFP = 39.6490 INCHES ZGRP = .0000 INCHES
SCALE = .0300 SCALE

DEPENDENT VARIABLE CP

SECTION (1) BODY FLAP

MACH	BETAT	X/LB	PHI
MACH (1) = 1.099	BETAT (1) = -8.210	X/LB	1.039
		PHI	.000
MACH (1) = 1.099	BETAT (2) = -4.090	X/LB	1.039
		PHI	.000
MACH (1) = 1.100	BETAT (3) = .020	X/LB	1.039
		PHI	.000
MACH (1) = 1.101	BETAT (4) = 4.130	X/LB	1.039
		PHI	.000
MACH (1) = 1.098	BETAT (5) = 8.260	X/LB	1.039
		PHI	.000
MACH (2) = 1.247	BETAT (1) = -0.160	X/LB	1.039
		PHI	.000
MACH (2) = 1.250	BETAT (2) = -4.070	X/LB	1.039
		PHI	.000
MACH (2) = 1.248	BETAT (3) = .020	X/LB	1.039
		PHI	.000

(RBMF26)

ABLATED PRESSURE DATA - 1A9A

AMES 11-717 1A9 C2A + S3 + T9 BODY FLAP

DEPENDENT VARIABLE CP

SECTION : 1) BODY FLAP

MACH (2) = 1.246	BETAT (4) = 4.100	X/LB	1.039
		PHI	
		.000	-.0780
		40.000	-.1700
MACH (2) = 1.247	BETAT (5) = 8.200	X/LB	1.039
		PHI	
		.000	-.1120
		40.000	-.2640

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

AVES 11-707 1A9 02A + S3 + T9 BODY FLAP

(RBMF27) (28 APR 73

PARAMETRIC DATA

ALPHAT = 4.000 ORBINC = .500
 RUDDER = -10.000 ELEVON = .000
 RUFLR = .000

REFERENCE DATA

REF = 2.4210 SQ.FT. WREF = 28.5300 INCHES
 LREF = 30.0490 INC.E3 WREF = .0000 INCHES
 BREF = 30.0490 INCHES ZREF = .0000 INCHES
 SCALE = .0000 SCALE

DEPENDENT VARIABLE CP

SECTION (1) BODY FLAP

MACH (1) = 1.097	BETAT (1) = -0.200	X/LB PHI	1.039 -0.080 40.000 -0.080
MACH (1) = 1.099	BETAT (2) = -4.080	X/LB PHI	1.039 -0.080 40.000 -0.080
MACH (1) = 1.100	BETAT (3) = .000	X/LB PHI	1.039 -0.080 40.000 -0.080
MACH (1) = 1.099	BETAT (4) = 4.140	X/LB PHI	1.039 -0.070 40.000 -0.080
MACH (1) = 1.101	BETAT (5) = 0.280	X/LB PHI	1.039 -0.070 40.000 -0.080
MACH (2) = 1.249	BETAT (1) = -0.150	X/LB PHI	1.039 -0.070 40.000 -0.080
MACH (2) = 1.247	BETAT (2) = -4.080	X/LB PHI	1.039 -0.070 40.000 -0.080
MACH (2) = 1.249	BETAT (3) = .000	X/LB PHI	1.039 -0.070 40.000 -0.080

DATE 20 SEP 75

TABULATED PRESSURE DATA - 1A9A
AMES 11-707 1A9 02A + S3 + T9 BODY FLAP

(RBMF27)

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

MACH (2) = 1.251	BETAT (4) = 4.110	X/LB	1.039
		PHI	
		.000	-.0760
		40.000	-.1650
MACH (2) = 1.246	BETAT (5) = 0.215	X/LB	1.039
		PHI	
		.000	-.0790
		40.000	-.2680

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A
ANES 11-707 1A9 CEA + S3 + T9 BODY FLAP

(RB4F28) (28 APR 73)

PARAMETRIC DATA

ALPHAT = 6.000 ORBINC = .500
RUDDER = -10.000 ELEVON = .000
RUDFLR = .000

REFERENCE DATA

REF = 2.4210 50.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0000 SCALE

DEPENDENT VARIABLE CP

SECTION (1) BODY FLAP

MACH (1) = 1.059 BETAT (1) = -0.190
X/LB 1.059
PHI .000
40.000 -.0670
40.000 -.0620

MACH (1) = 1.059 BETAT (2) = -4.080
X/LB 1.059
PHI .000
40.000 -.0950
40.000 -.0900

MACH (1) = 1.059 BETAT (3) = .080
X/LB 1.059
PHI .000
40.000 -.0360
40.000 -.1270

MACH (1) = 1.102 BETAT (4) = 4.150
X/LB 1.059
PHI .000
40.000 -.0610
40.000 -.1760

MACH (1) = 1.099 BETAT (5) = 8.280
X/LB 1.059
PHI .000
40.000 -.0730
40.000 -.2430

MACH (2) = 1.248 BETAT (1) = -8.130
X/LB 1.059
PHI .000
40.000 -.0640
40.000 .1030

MACH (2) = 1.251 BETAT (2) = -4.060
X/LB 1.059
PHI .000
40.000 -.1010
40.000 -.0170

MACH (2) = 1.249 BETAT (3) = .010
X/LB 1.059
PHI .000
40.000 -.1490
40.000 -.1220

DATE 21 SEP 73

RELATED PRESSURE DATA - IASA
 AMES 11-707 1A9 CEA + S3 + T9 BODY FLAP (R8MF28)

SECTION (1) BODY FLAP

DEPENDENT VARIABLE CP

MACH (2) = 1.245	BETAT (4) = 4.120	X/LB	1.039
		PHI	
		.000	-.0790
		40.000	-.1660
MACH (2) = 1.245	BETAT (5) = 8.230	X/LB	1.039
		PHI	
		.000	-.0890
		40.000	-.2330

TABULATED PRESSURE DATA - 1A9A

DATE 20 SEP 73

(RBMF29) (28 APR 73)

AVES 11-707 1A9 02A + S3 + T9 BODY FLAP

PARAMETRIC DATA

ALPHAT = 0.000 ORBINC = .500
RUDDER = -10.000 ELEVON = .000
RUOFLR = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. WREF = 28.5300 INCHES
LREF = 39.8490 INCHES YREF = .0000 INCHES
BREF = 39.8490 INCHES ZREF = .0000 INCHES
SCALE = .0000 SCALE

DEPENDENT VARIABLE CP

SECTION (1) BODY FLAP

MACH (1) = 1.000 BETAT (1) = -0.180 X/LB 1.000
PHI .000 -.0750
40.000 -.1100

MACH (1) = 1.000 BETAT (2) = -4.070 X/LB 1.000
PHI .000 -.0680
40.000 -.1090

MACH (1) = 1.000 BETAT (3) = .080 X/LB 1.000
PHI .000 -.0260
40.000 -.1220

MACH (1) = 1.000 BETAT (4) = 4.190 X/LB 1.000
PHI .000 -.0680
40.000 -.1770

MACH (1) = 1.000 BETAT (5) = 8.310 X/LB 1.000
PHI .000 -.0750
40.000 -.2140

MACH (2) = 1.247 BETAT (1) = -0.100 X/LB 1.000
PHI .000 -.0570
40.000 .0300

MACH (2) = 1.249 BETAT (2) = -4.040 X/LB 1.000
PHI .000 -.0640
40.000 -.1510

MACH (2) = 1.249 BETAT (3) = .080 X/LB 1.000
PHI .000 -.0570
40.000 -.1110

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A
AMES 11-707 1A9 OEA + S3 + T9 BODY FLAP

(R8-F29)

SECTION (1) BODY FLAP

DEPENDENT VARIABLE CP

MACH (2) = 1.249 BETAT (4) = 4.130
X/LB 1.039
PHI
.000 -.0700
40.000 -.1620

MACH (2) = 1.246 BETAT (5) = 8.250
X/LB 1.039
PHI
.000 -.0460
40.000 -.1970

DATE 20 SEP 73 TABULATED PRESSURE DATA - IASA

AVES 11-707 1A9 02A / 33 + 79 BODY FLAP (RBMF30) (28 APR 73)

REFERENCE DATA

SWEP = 2.4210 36. FT. WARP = 28.5300 INCHES
 LWEP = 39.0490 INCHES YWEP = .0000 INCHES
 BWEP = 39.0490 INCHES ZWEP = .0000 INCHES
 SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHAT = -8.0000 ORBINC = .5000
 RUDDER = -15.0000 ELEVON = .0000
 RUDFLR = .0000

DEPENDENT VARIABLE CP

SECTION (1) BODY FLAP	MACH (1) = 1.1018	BETAT (1) = -0.180	X/LB	PHI
			1.039	
			.000	-.1810
			40.000	-.1940
MACH (1) = 1.1018	BETAT (2) = -4.080	X/LB	1.039	
		PHI		
		.000	-.1400	
		40.000	-.2380	
MACH (1) = 1.1018	BETAT (3) = .080	X/LB	1.039	
		PHI		
		.000	-.1480	
		40.000	-.2580	
MACH (1) = 1.1000	BETAT (4) = 4.180	X/LB	1.039	
		PHI		
		.000	-.1340	
		40.000	-.2700	
MACH (1) = 1.1018	BETAT (5) = 0.310	X/LB	1.039	
		PHI		
		.000	-.2230	
		40.000	-.3180	
MACH (2) = 1.244	BETAT (1) = -0.130	X/LB	1.039	
		PHI		
		.000	-.1480	
		40.000	-.1080	
MACH (2) = 1.243	BETAT (2) = -4.030	X/LB	1.039	
		PHI		
		.000	-.1340	
		40.000	-.1530	
MACH (2) = 1.243	BETAT (3) = .080	X/LB	1.039	
		PHI		
		.000	-.1440	
		40.000	-.1910	

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 AMES 11-707 1A9 OEA + S3 + T9 BODY FLAP

(RBMF30)

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

MACH (2) = 1.245	BETAT (4) = 4.130	X/LB	1.039
		PHI	
		.000	-.1430
		40.000	-.2310
MACH (2) = 1.247	BETAT (5) = 0.250	X/LB	1.039
		PHI	
		.000	-.1760
		40.000	-.3080

DATE 20 SEP 73 TABULATED PRESSURE DATA - IASA

(R0MF31) (20 APR 73)

AVES 11-707 1A9 02A + S3 + T9 BODY FLAP

PARAMETRIC DATA

ALPHAT = -6.000 ORBINC = .500
 RUDDER = -15.000 ELEVON = .000
 RUOFLR = .000

REFERENCE DATA

SWEP = 2.4210 30.FT. WARP = 28.5300 INCHES
 LWB = 39.8490 INCHES YWRP = .0000 INCHES
 BRFT = 39.8490 INCHES ZWRP = .0000 INCHES
 SCALE = .0300 SCALE

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

MACH (1) = 1.101	BETAT (1) = -0.190	X/LB	PHI
		1.039	
		.000	-.1300
		40.000	-.1650
MACH (1) = 1.101	BETAT (2) = -4.080	X/LB	PHI
		1.039	
		.000	-.1200
		40.000	-.2140
MACH (1) = 1.099	BETAT (3) = .080	X/LB	PHI
		1.039	
		.000	-.0690
		40.000	-.2580
MACH (1) = 1.088	BETAT (4) = 4.140	X/LB	PHI
		1.039	
		.000	-.1370
		40.000	-.2560
MACH (1) = 1.087	BETAT (5) = 6.280	X/LB	PHI
		1.039	
		.000	-.1460
		40.000	-.2970
MACH (2) = 1.247	BETAT (1) = -0.140	X/LB	PHI
		1.039	
		.000	-.1140
		40.000	.0100
MACH (2) = 1.248	BETAT (2) = -4.060	X/LB	PHI
		1.039	
		.000	-.1270
		40.000	-.0920
MACH (2) = 1.251	BETAT (3) = .080	X/LB	PHI
		1.039	
		.000	-.1120
		40.000	-.1740

(RBMF31)

TABULATED PRESSURE DATA - 1A9A

DATE 20 SEP 73

AMES 11-707 1A9 02A + S3 + T9 BODY FLAP

DEPENDENT VARIABLE CP

SECTION (1) BODY FLAP

MACH (2) = 1.251	BETAT (4) = 4.120	X/LB	1.039
		PHI	
		.000	-.1250
		40.000	-.2200
MACH (2) = 1.250	BETAT (5) = 8.230	X/LB	1.039
		PHI	
		.000	-.1360
		40.000	-.2810

(RB4F32) (28 APR 75)

DATE 20 SEP 75 TABULATED PRESSURE DATA - IASA
 ASES 11-707 1A9 02A + S3 + T9 BODY FLAP

PARAMETRIC DATA

ALPHAT = -4.000 ORBINC = .500
 RUDDER = -15.000 ELEVON = .000
 RUFLR = .000

REFERENCE DATA

SWEP = 2.4210 80.FT. XGRP = 28.5300 INCHES
 LREF = 39.8490 INCHES YGRP = .0000 INCHES
 SWEP = 39.8490 INCHES ZGRP = .0000 INCHES
 SCALE = .0000 SCALE

DEPENDENT VARIABLE CP

SECTION (1) FLAP

MACH (1) = 1.100 BETAT (1) = -0.200 X/LB 1.039
 PHI .000
 40.000 -0.1090
 40.000 -0.1230

MACH (1) = 1.000 BETAT (2) = -4.000 X/LB 1.039
 PHI .000
 40.000 -0.1030
 40.000 -0.1810

MACH (1) = 1.100 BETAT (3) = .020 X/LB 1.039
 PHI .000
 40.000 -0.0680
 40.000 -0.2150

MACH (1) = 1.100 BETAT (4) = 4.130 X/LB 1.039
 PHI .000
 40.000 -0.1170
 40.000 -0.2480

MACH (1) = 1.100 BETAT (5) = 8.280 X/LB 1.039
 PHI .000
 40.000 -0.0840
 40.000 -0.2940

MACH (2) = 1.249 BETAT (1) = -0.150 X/LB 1.039
 PHI .000
 40.000 -0.1040
 40.000 -0.0320

MACH (2) = 1.250 BETAT (2) = -4.060 X/LB 1.039
 PHI .000
 40.000 -0.1160
 40.000 -0.1030

MACH (2) = 1.250 BETAT (3) = .020 X/LB 1.039
 PHI .000
 40.000 -0.11970
 40.000 -0.1670

III

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DATE 20 SEP 77 ABULATED PRESSURE DATA - 1A9A

(RBMF32)

AMES 11-707 1A9 CEA + S3 + T9 BODY FLAP

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

MACH (2) = 1.246	BETAT (4) = 4.110	X/LB	1.039
		PHI	
		.000	-.0910
		40.000	-.2010
MACH (2) = 1.246	BETAT (5) = 8.210	X/LB	1.039
		PHI	
		.000	-.1090
		40.000	-.2640

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

(RBMF33) 28 APR 73

AVES 11-70/ 1A9 02A + S3 + T9 BODY FLAP

REFERENCE DATA

SREF = 2.4210 SQ.FT. XGRP = 28.5300 INCHES
 LREF = 39.8490 INCHES YGRP = .0000 INCHES
 BREF = 39.8490 INCHES ZGRP = .0000 INCHES
 SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHAT = -2.0000 DBINC = .0000
 RUDDER = -15.0000 ELEVON = .0000
 RUOFLR = .0000

DEPENDENT VARIABLE CP

SECTION (1) BODY FLAP

MACH (1) = 1.102	BETAT (1) = -0.800	X/LB	PHI
		1.039	
		.000	-.1040
		40.000	-.1120
MACH (1) = 1.101	BETAT (2) = -4.090	X/LB	PHI
		1.039	
		.000	-.1000
		40.000	-.1420
MACH (1) = 1.100	BETAT (3) = .020	X/LB	PHI
		1.039	
		.000	-.0700
		40.000	-.1850
MACH (1) = 1.101	BETAT (4) = 4.130	X/LB	PHI
		1.039	
		.000	-.0700
		40.000	-.2290
MACH (1) = 1.099	BETAT (5) = 0.230	X/LB	PHI
		1.039	
		.000	-.1040
		40.000	-.2930
MACH (2) = 1.247	BETAT (1) = -0.190	X/LB	PHI
		1.039	
		.000	-.0990
		40.000	.0300
MACH (2) = 1.246	BETAT (2) = -4.060	X/LB	PHI
		1.039	
		.000	-.1060
		40.000	-.0240
MACH (2) = 1.250	BETAT (3) = .020	X/LB	PHI
		1.039	
		.000	-.1070
		40.000	-.1160

(CONT)

TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 02A + S3 + T9 BODY FLAP

SECTION (1) BODY FLAP

DEPENDENT VARIABLE CP

MACH (2) = 1.250 BETAT (4) = 4.110 X/LB 1.039
PHI .000 -.0860
40.000 -.1890

MACH (2) = 1.248 BETAT (5) = 4.240 X/LB 1.039
PHI .000 -.1160
40.000 -.2620

REFM34) (28 APR 75)

PARAMETRIC DATA

ALPHAT = .000 ORBINC = .500
 RUDDER = -15.000 ELEVON = .000
 RUDELR = .000

TABULATED PRESSURE DATA - 1A8A

ANES 11-707 1A9 02A + S3 + T9 BODY FLAP

REFERENCE DATA

SWEP = 2.4210 90.00 INCHES
 LWEP = 39.8490 INCHES
 BWEP = 39.8490 INCHES
 SCALE = .0314 SCALE

DEPENDENT VARIABLE CP

SECTION (1) BODY FLAP

MACH (1) = 1.097	BETAT (1) = -0.820	X/LB	1.039
		PHI	.000
			40.000
			-.1120
MACH (1) = 1.100	BETAT (2) = -0.080	X/LB	1.039
		PHI	.000
			40.000
			-.1110
			-.1250
MACH (1) = 1.099	BETAT (3) = .000	X/LB	1.039
		PHI	.000
			40.000
			-.0770
			-.1060
MACH (1) = 1.100	BETAT (4) = 4.130	X/LB	1.039
		PHI	.000
			40.000
			-.0560
			-.2130
MACH (1) = 1.099	BETAT (5) = 0.230	X/LB	1.039
		PHI	.000
			40.000
			-.0780
			-.2750
MACH (2) = 1.249	BETAT (1) = -0.180	X/LB	1.039
		PHI	.000
			40.000
			-.1020
			-.1430
MACH (2) = 1.250	BETAT (2) = -0.070	X/LB	1.039
		PHI	.000
			40.000
			-.1030
			-.1012
MACH (2) = 1.249	BETAT (3) = .000	X/LB	1.039
		PHI	.000
			40.000
			-.1070
			-.1090

(RBMF34)

DATE 20 SEP 73

ABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 02A + S3 + T9 BODY FLAP

SECTION (1) BODY FLAP

DEPENDENT VARIABLE CP

MACH (2) = 1.245	BETAT (4) = 4.110	X/LB	1.039
		PHI	
		.000	-.0770
		40.000	-.1810
MACH (2) = 1.247	BETAT (5) = 3.200	X/LB	1.039
		PHI	
		.000	-.1110
		40.000	-.2540

(RBMF35) (28 APR 73

PARAMETRIC DATA

ALPHAT = 2.000 ORBINC = .500
 RUDDER = -15.000 ELEVON = .000
 RUOFLR = .000

TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 Q2A + S3 + T9 BODY FLAP

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
 LREF = 39.8490 INCHES YMRP = .0000 INCHES
 BREF = 39.8490 INCHES ZMRP = .0000 INCHES
 SCALE = .0000 SCALE

DEPENDENT VARIABLE CP

SECTION (1) BODY FLAP	X/LB	PHI
MACH (1) = 1.112 BETAT (1) = -0.210	1.039	.000
		40.000
		-0.0920
		-0.1130
MACH (1) = 1.095 BETAT (2) = -0.090	1.039	.000
		40.000
		-0.0960
		-0.0970
MACH (1) = 1.089 BETAT (3) = .020	1.039	.000
		40.000
		-0.0400
		-0.1350
MACH (1) = 1.101 BETAT (4) = 4.130	1.039	.000
		40.000
		-0.0660
		-0.1960
MACH (1) = 1.106 BETAT (5) = 9.290	1.039	.000
		40.000
		-0.0910
		-0.2810
MACH (2) = 1.248 BETAT (1) = -0.120	1.039	.000
		40.000
		-0.1180
		0.0330
MACH (2) = 1.244 BETAT (2) = -4.070	1.039	.000
		40.000
		-0.0930
		0.0160
MACH (2) = 1.230 BETAT (3) = .020	1.039	.000
		40.000
		-0.0690
		-0.1970

(RBMF35)

DATE 20 DEC 72 TABULATED PRESSURE DATA - 1A9A

AMES 11-737 1A9 OCA + S3 + T9 BODY FLAP

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

MACH (2) = 1.248	BETAT (4) = 4.100	X/LB	1.039
		PHI	
		.000	-.0870
		40.000	-.1680
MACH (2) = 1.248	BETAT (5) = 8.200	X/LB	1.039
		PHI	
		.000	-.1150
		40.000	-.2590

(RBMF36) (28 155 7

PARAMETRIC DATA

ALPHAT = 4.1400 CDBIN = 1.000
 RUDDER = -15.000 ELEVON = 1.000
 RUDFLR = .000

TABULATED PRESSURE DATA - 1A9A

AVES 11-707 1A9 CEA + S3 + T9 BODY FLAP

REFERENCE DATA

2.4210 SQ.FT. XGRP = 26.5300 INCHES
 39.8490 INCHES YGRP = .0000 INCHES
 39.8490 INCHES ZGRP = .0000 INCHES
 .0000 SCALE

DEPENDENT VARIABLE CP

		X/LB	PHI
1) = 1.103	BETAT (1) = -0.200	1.039	.000
			40.000
2) = 1.109	BETAT (2) = -4.080	1.039	.000
			40.000
3) = 1.098	BETAT (3) = .560	1.039	.000
			40.000
4) = 1.088	BETAT (4) = 4.140	1.039	.000
			40.000
5) = 1.100	BETAT (5) = 8.280	1.039	.000
			40.000
6) = 1.848	BETAT (6) = -0.150	1.039	.000
			40.000
7) = 1.849	BETAT (7) = -4.080	1.039	.000
			40.000
8) = 1.849	BETAT (8) = .000	1.039	.000
			40.000

(RBW36)

TABULATED PRESSURE DATA - 1A9A

ANES 11-707 1A9 CEA + S3 + T9 BODY FLAP

DEPENDENT VARIABLE CP

SECTION (1) BODY FLAP

MACH (2) = 1.245 BETAT (4) = 4.110
 X/LB 1.039
 PHI
 .000 -.0860
 40.000 -.1670

MACH (2) = 1.246 BETAT (5) = 6.210
 X/LB 1.039
 PHI
 .000 -.0930
 40.000 -.2670

TABULATED PRESSURE DATA - 1A9A

DATE 20 SEP 73

(REMF37) (28 APR 73)

AWES 11-707 1A9 02A + S3 + T9 BODY FLAP

PARAMETRIC DATA

ALPHAT = 6.000 ORBINC = .500
 RUDDER = -15.000 ELEVON = .000
 RUOFLR = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. 10RP = 28.5300 INCHES
 LREF = 39.8490 INCHES YRP = .0000 INCHES
 BREF = 39.8490 INCHES ZRP = .0000 INCHES
 SCALE = .0375 SCALE

DEPENDENT VARIABLE CP

SECTION (1) BODY FLAP

MACH (1) = 1.000	BETAT (1) = -0.180	X/LB	PHI
		1.039	
		.000	-.0650
		40.000	-.0660
MACH (1) = 1.000	BETAT (2) = -4.080	X/LB	PHI
		1.039	
		.000	-.0660
		40.000	-.0940
MACH (1) = 1.000	BETAT (3) = .010	X/LB	PHI
		1.039	
		.000	-.0950
		40.000	-.1260
MACH (1) = 1.000	BETAT (4) = 4.140	X/LB	PHI
		1.039	
		.000	-.0660
		40.000	-.1810
MACH (1) = 1.000	BETAT (5) = 6.280	X/LB	PHI
		1.039	
		.000	-.0720
		40.000	-.2320
MACH (2) = 1.207	BETAT (1) = -6.130	X/LB	PHI
		1.039	
		.000	-.0650
		40.000	-.0350
MACH (2) = 1.200	BETAT (2) = -4.030	X/LB	PHI
		1.039	
		.000	-.1840
		40.000	-.1260
MACH (2) = 1.207	BETAT (3) = .080	X/LB	PHI
		1.039	
		.000	-.1470
		40.000	-.1210

(RDMF37)

DATE 20 SEP 72 TABULATED PRESSURE DATA - 1A9A
 ANES 11-707 1A9 02A + S3 + T9 BODY FLAP

SECTION (1) BODY FLAP DEFENDENT VARIABLE CP

MACH (2) = 1.252	BETAT (4) = 4.120	X/LB	1.039
		PHI	
		.000	-.0790
		40.000	-.1640
MACH (2) = 1.247	BETAT (5) = 8.230	X/LB	1.039
		PHI	
		.000	-.0530
		40.000	-.2330

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A

(RBMF38) (28 APR 72

AMES 11-707 1A9 02A + S3 + T9 BODY FLAP

REFERENCE DATA

SWET = 2.210 90.FT. 100P = 28.5300 INCHES
 LREF = 39.8490 INCHES YMRP = .0020 INCHES
 SWET = 39.8490 INCHES Z RP = .0000 INCHES
 SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHAT = 8.0000 ORBITAL = .500
 RUDDER = -15.0000 ELEVON = .000
 FLAPLR = .000

DEPENDENT VARIABLE CP

SECTION (1) BODY FLAP	X/LB	PHI
MACH (1) = 1.039 BETAT (1) = -8.170	1.039	
	.000	-.0710
	40.000	-.1170
MACH (1) = 1.039 BETAT (2) = -4.070	1.039	
	.000	-.0680
	40.000	-.1100
MACH (1) = 1.039 BETAT (3) = .000	1.039	
	.000	-.0290
	40.000	-.1220
MACH (1) = 1.039 BETAT (4) = 4.160	1.039	
	.000	-.0850
	40.000	-.1830
MACH (1) = 1.039 BETAT (5) = 8.310	1.039	
	.000	-.0730
	40.000	-.2240
MACH (2) = 1.245 BETAT (1) = -8.110	1.039	
	.000	-.0570
	40.000	.0320
MACH (2) = 1.251 BETAT (2) = -4.040	1.039	
	.000	-.0690
	40.000	-.1540
MACH (2) = 1.246 BETAT (3) = .000	1.039	
	.000	-.0370
	40.000	-.1190

TABULATED PRESSURE DATA - 1A9A

AXES 11-707 1A9 02A + S3 + T9 BODY FLAP

(RBMF36)

DATE 21 SEP 73

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

MACH (2) = 1.245 BETAT (4) = 4.130		X/LB	1.039
		PHI	.000
			-.0610
		40.000	-.1620
MACH (2) = 1.245 BETAT (5) = 8.250		X/LB	1.039
		PHI	.000
			-.0580
		40.000	-.1960

(RBMF39) (28 APR 73)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
AVES 11-707 1A9 02A + 33 + T9 BODY FLAP

PARAMETRIC DATA

ALPHAT = -8.000 ORBINC = .500
RUDDER = -5.000 ELEVON = .000
RUFLR = .000

REFERENCE DATA

REF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0000 SCALE

DEPENDENT VARIABLE CP

SECTION (1) BODY FL P					
MACH (1) = 1.105	BETAT (1) = -8.180	X/LB	1.039	PHI	
MACH (1) = 1.097	BETAT (2) = -4.070	X/LB	1.039	PHI	
MACH (1) = 1.088	BETAT (3) = .080	X/LB	1.039	PHI	
MACH (1) = 1.104	BETAT (4) = 4.180	X/LB	1.039	PHI	
MACH (1) = 1.089	BETAT (5) = 8.310	X/LB	1.039	PHI	
MACH (2) = 1.251	BETAT (1) = -8.180	X/LB	1.039	PHI	
MACH (2) = 1.249	BETAT (2) = -4.090	X/LB	1.039	PHI	
MACH (2) = 1.246	BETAT (3) = .080	X/LB	1.039	PHI	

(RBMF39)

TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 C2A + S3 + T9 BODY FLAP

DEPENDENT VARIABLE C_p

SECTION (1) BODY FLAP

MACH (2) = 1.246	BETAT (4) = 4.130	X/LB	1.039
		PHI	
		.000	-.1380
		40.000	-.2250
MACH (2) = 1.245	BETAT (5) = 8.250	X/LB	1.039
		PHI	
		.000	-.1520
		40.000	-.3070

DATE 20 SEP 73

TABULATED PRESSURE DATA - IASA
 AVES 11-707 IAS CBA + S3 + T9 BODY FLAP

(RBW440) (28 APR 73)

PARAMETRIC DATA

ALPHAT = -4.0000
 RUDDER = -5.0000
 RUOFLR = .0000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
 LREF = 39.8490 INCHES YMRP = .0000 INCHES
 SREF = 39.8490 INCHES ZMRP = .0000 INCHES
 SCALE = .0000 SCALE

DEPENDENT VARIABLE CP

SECTION (1) BODY FLAP

MACH (1) = 1.101 BETAT (1) = -8.190
 X/LB 1.039
 PHI .000
 40.000 -0.1110
 40.000 -0.1360

MACH (1) = 1.101 BETAT (2) = -4.080
 X/LB 1.039
 PHI .000
 40.000 -0.0660
 40.000 -0.1690

MACH (1) = 1.101 BETAT (3) = .020
 X/LB 1.039
 PHI .000
 40.000 -0.0800
 40.000 -0.2250

MACH (1) = 1.099 BETAT (4) = 4.140
 X/LB 1.039
 PHI .000
 40.000 -0.1000
 40.000 -0.2440

MACH (1) = 1.100 BETAT (5) = 8.260
 X/LB 1.039
 PHI .000
 40.000 -0.0910
 40.000 -0.2960

MACH (2) = 1.244 BETAT (1) = -8.150
 X/LB 1.039
 PHI .000
 40.000 -0.1130
 40.000 -0.1270

MACH (2) = 1.245 BETAT (2) = -4.060
 X/LB 1.039
 PHI .000
 40.000 -0.1020
 40.000 -0.0320

MACH (2) = 1.246 BETAT (3) = .010
 X/LB 1.039
 PHI .000
 40.000 -0.0950
 40.000 -0.1640

(RBMF40)

TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 C8A + S3 + T9 BODY FLAP

APPROXIMATE FLAP DEFLECT VARIABLE CP

WATTS (2) = 1.252 BETAT (4) = 4.110 X/LB 1.039
PHI .000 -.0930
40.000 -.2120

WATTS (2) = 1.250 BETAT (5) = .210 X/LB 1.039
PHI .000 -.0890
40.000 -.2730

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 02A + S3 + T9 BODY FLAP

(RBW41) (28 APR 73

PARAMETRIC DATA

ALPHAT = .000 ORBINC = .000
RUDDER = -5.000 ELEVON = .000
RUDDFLR = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .00300 SCALE

SECTION (1) BODY FLAP

DEPENDENT VARIABLE CP

MACH (1)	BETAT (1)	X/LB	PHI
1.039	-8.200	.000	-.1060
1.039	-8.200	.000	-.1220
1.039	-8.200	.000	-.1380
1.039	-8.200	.000	-.1540
1.039	-8.200	.000	-.1700
1.039	-8.200	.000	-.1860
1.039	-8.200	.000	-.2020
1.039	-8.200	.000	-.2180
1.039	-8.200	.000	-.2340
1.039	-8.200	.000	-.2500
1.039	-8.200	.000	-.2660
1.039	-8.200	.000	-.2820
1.039	-8.200	.000	-.2980
1.039	-8.200	.000	-.3140
1.039	-8.200	.000	-.3300
1.039	-8.200	.000	-.3460
1.039	-8.200	.000	-.3620
1.039	-8.200	.000	-.3780
1.039	-8.200	.000	-.3940
1.039	-8.200	.000	-.4100
1.039	-8.200	.000	-.4260
1.039	-8.200	.000	-.4420
1.039	-8.200	.000	-.4580
1.039	-8.200	.000	-.4740
1.039	-8.200	.000	-.4900
1.039	-8.200	.000	-.5060
1.039	-8.200	.000	-.5220
1.039	-8.200	.000	-.5380
1.039	-8.200	.000	-.5540
1.039	-8.200	.000	-.5700
1.039	-8.200	.000	-.5860
1.039	-8.200	.000	-.6020
1.039	-8.200	.000	-.6180
1.039	-8.200	.000	-.6340
1.039	-8.200	.000	-.6500
1.039	-8.200	.000	-.6660
1.039	-8.200	.000	-.6820
1.039	-8.200	.000	-.6980
1.039	-8.200	.000	-.7140
1.039	-8.200	.000	-.7300
1.039	-8.200	.000	-.7460
1.039	-8.200	.000	-.7620
1.039	-8.200	.000	-.7780
1.039	-8.200	.000	-.7940
1.039	-8.200	.000	-.8100
1.039	-8.200	.000	-.8260
1.039	-8.200	.000	-.8420
1.039	-8.200	.000	-.8580
1.039	-8.200	.000	-.8740
1.039	-8.200	.000	-.8900
1.039	-8.200	.000	-.9060
1.039	-8.200	.000	-.9220
1.039	-8.200	.000	-.9380
1.039	-8.200	.000	-.9540
1.039	-8.200	.000	-.9700
1.039	-8.200	.000	-.9860
1.039	-8.200	.000	-.1000

C4

(RDMF41)

DATE 21 FEB 73
 TABULATED PRESSURE DATA - 1A9A
 AMES 11-707 1A9 CEA + S3 + T9 BODY FLAP

SECTION (1) BODY FLAP
 DEPENDENT VARIABLE CP

MACH (2) = 1.247 BETAT (4) = 4.110
 X/LB 1.039
 PHI
 .0000 -0.0800
 40.0000 -0.1860

MACH (2) = 1.246 BETAT (5) = 8.200
 X/LB 1.039
 PHI
 .0000 -0.1020
 40.0000 -0.2680

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

(RBMF42) 20 APR 73

AMES 11-707 1A9 OSA + S3 + T9 BODY FLAP

REFERENCE DATA

SREF = 2.4210 59. FT. XMRP = 28.5300 INCHES
 LREF = 39.8490 INCHES YMRP = .0000 INCHES
 BREF = 39.8490 INCHES ZMRP = .0000 INCHES
 SCALE = .0000 SCALE

SECTION (1) BODY FLAP

DEPENDENT VARIABLE CP

MACH (1) = 1.101	BETAT (1) = -0.190	X/LB	PHI
		1.039	
		.000	-.0800
		40.000	-.0930
MACH (1) = 1.102	BETAT (2) = -4.090	X/LB	PHI
		1.039	
		.000	-.0760
		40.000	-.0970
MACH (1) = 1.096	BETAT (3) = .020	X/LB	PHI
		1.039	
		.000	-.0340
		40.000	-.1370
MACH (1) = 1.099	BETAT (4) = 4.140	X/LB	PHI
		1.039	
		.000	-.0620
		40.000	-.1910
MACH (1) = 1.100	BETAT (5) = 6.260	X/LB	PHI
		1.039	
		.000	-.0760
		40.000	-.2660
MACH (2) = 1.245	BETAT (1) = -0.140	X/LB	PHI
		1.039	
		.000	-.0740
		40.000	.0480
MACH (2) = 1.246	BETAT (2) = -4.060	X/LB	PHI
		1.039	
		.000	-.0930
		40.000	.0270
MACH (2) = 1.249	BETAT (3) = .020	X/LB	PHI
		1.039	
		.000	-.0560
		40.000	-.1190

PARAMETRIC DATA

ALPHAT = 4.00 ORBINC = 0.00
 RUDDER = -5.000 ELEVON = 0.00
 RUFLR = 0.00

(18NF42)

DATE 21 SEP 73 TABULATED PRESSURE DATA - 1A9A
 AVES 11-707 1A9 02A + S3 + T9 BODY FLAP

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

MACH (2) = 1.247	BETAT (4) = 4.110	X/LB	1.039
		PHI	
		.000	-.0820
		40.000	-.1700
MACH (2) = 1.246	BETAT (5) = 8.210	X/LB	1.039
		PHI	
		.000	-.0880
		40.000	-.2570

TABULATED PRESSURE DATA - 1A9A

DATE 20 SEP 73

(RDMFAS) (28 APR 73)

ANES 11-707 1A9 02A + S3 + T9 BODY FLAP

PARAMETRIC DATA

ALPHAT = 8.000 ORBINC = .500
 RUDDER = -5.000 ELEVON = .000
 RUOFLR = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
 LREF = 39.8490 INCHES YMRP = .0000 INCHES
 BREF = 39.8490 INCHES ZMRP = .0000 INCHES
 SCALE = .0300 SCALE

DEPENDENT VARIABLE CP

SECTION (1) BODY FLAP

MACH	BETAT (1)	BETAT (2)	BETAT (3)	BETAT (4)	BETAT (5)	BETAT (1)	BETAT (2)	BETAT (3)	BETAT (4)	BETAT (5)	
MACH (1) = 1.097	1.039	-8.160	.010	4.150	8.300	X/LB	1.039	X/LB	1.039	X/LB	1.039
						PHI	.000	PHI	.000	PHI	.000
						40.000	-0.0690	40.000	-0.0690	40.000	-0.0690
MACH (1) = 1.097	1.039	-4.070	.010	4.150	8.300	X/LB	1.039	X/LB	1.039	X/LB	1.039
						PHI	.000	PHI	.000	PHI	.000
						40.000	-0.0690	40.000	-0.0690	40.000	-0.0690
MACH (1) = 1.099	1.039	4.150	.010	4.150	8.300	X/LB	1.039	X/LB	1.039	X/LB	1.039
						PHI	.000	PHI	.000	PHI	.000
						40.000	-0.0690	40.000	-0.0690	40.000	-0.0690
MACH (2) = 1.245	1.039	-8.110	.010	4.150	8.300	X/LB	1.039	X/LB	1.039	X/LB	1.039
						PHI	.000	PHI	.000	PHI	.000
						40.000	-0.0690	40.000	-0.0690	40.000	-0.0690
MACH (2) = 1.249	1.039	-4.040	.010	4.150	8.300	X/LB	1.039	X/LB	1.039	X/LB	1.039
						PHI	.000	PHI	.000	PHI	.000
						40.000	-0.0690	40.000	-0.0690	40.000	-0.0690
MACH (2) = 1.246	1.039	.020	.010	4.150	8.300	X/LB	1.039	X/LB	1.039	X/LB	1.039
						PHI	.000	PHI	.000	PHI	.000
						40.000	-0.0690	40.000	-0.0690	40.000	-0.0690

(RBMF43)

DATE 20 SEP 75 TABULATED PRESSURE DATA - 1A9A
AMES 11-707 1A9 02A + S3 + T9 BODY FLAP

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

MACH (2) = 1.245	BETAT (4) = 4.130	X/LB	1.039
		PHI	
		.000	-.0680
		40.000	-.1630
MACH (2) = 1.246	BETAT (5) = 8.250	X/LB	1.039
		PHI	
		.000	-.0500
		40.000	-.1980

(RBMF44) (27 APR 73)

TABULATED PRESSURE DATA - 1A9A

AVES 11-707.1A9 02A + S3 + T9 BODY FLAP

REFERENCE DATA

SREF = 2.4210 SQ.FT. XGRP = 28.5300 INCHES
 LREF = 39.8490 INCHES YGRP = .0000 INCHES
 BREF = 39.8490 INCHES ZGRP = .0000 INCHES
 SCALE = .0300 SCALE

SECTION (1) BODY FLAP

DEPENDENT VARIABLE CP

MACH (1) = .600 ALPHAT(1) = -8.090

X/LB 1.039
 PHI .000 .0810
 40.000 -.1640

MACH (1) = .600 ALPHAT(2) = -5.990

X/LB 1.039
 PHI .000 .0620
 40.000 -.1650

MACH (1) = .599 ALPHAT(3) = -3.990

X/LB 1.039
 PHI .000 .0240
 40.000 -.1460

MACH (1) = .599 ALPHAT(4) = -1.970

X/LB 1.039
 PHI .000 .0130
 40.000 -.1590

MACH (1) = .600 ALPHAT(5) = .080

X/LB 1.039
 PHI .000 .0100
 40.000 -.1490

MACH (1) = .600 ALPHAT(6) = 2.070

X/LB 1.039
 PHI .000 .0120
 40.000 -.1940

MACH (1) = .600 ALPHAT(7) = 4.010

X/LB 1.039
 PHI .000 -.0540
 40.000 -.1510

MACH (1) = .599 ALPHAT(8) = 6.040

X/LB 1.039
 PHI .000 -.0590
 40.000 -.1400

PARAMETRIC DATA

BETAT = .000 ORBINC = -1.100
 RUDDER = .000 ELEVON = .000
 RUDFLR = .000

(RBNF44)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 ANES 11-707 1A9 C2A + S3 + T9 BODY FLAP

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

MACH (1) = .599	ALPHAT(9) = 8.020	X/LB	1.039
		PHI	
		.000	-.0560
		40.000	-.1350
MACH (2) = .901	ALPHAT(1) = -8.070	X/LB	1.039
		PHI	
		.000	-.0340
		40.000	-.2060
MACH (2) = .901	ALPHAT(2) = -6.030	X/LB	1.039
		PHI	
		.000	-.0180
		40.000	-.1840
MACH (2) = .899	ALPHAT(3) = -4.020	X/LB	1.039
		PHI	
		.000	.0010
		40.000	-.1630
MACH (2) = .900	ALPHAT(4) = -1.890	X/LB	1.039
		PHI	
		.000	.0020
		40.000	-.1570
MACH (2) = .902	ALPHAT(5) = .010	X/LB	1.039
		PHI	
		.000	-.0170
		40.000	-.1580
MACH (2) = .902	ALPHAT(6) = 1.980	X/LB	1.039
		PHI	
		.000	-.1460
		40.000	-.1680
MACH (2) = .901	ALPHAT(7) = 4.010	X/LB	1.039
		PHI	
		.000	-.0520
		40.000	-.1920
MACH (2) = .904	ALPHAT(8) = 6.010	X/LB	1.039
		PHI	
		.000	-.1660
		40.000	-.1940

(RBMF44)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 AMES 11-707 1A9 O2A + S3 + T9 BODY FLAP

SECTION 1) BODY FLAP DEPENDENT VARIABLE CP

MACH (2) = .898 ALPHAT(9) = 7.990	X/LB 1.039
	PHI -.0840
	40.000 -.1500
MACH (2) = 1.103 ALPHAT(1) = -8.010	X/LB 1.039
	PHI -.1390
	40.000 -.2530
MACH (3) = 1.097 ALPHAT(2) = -5.950	X/LB 1.039
	PHI -.1250
	40.000 -.2410
MACH (3) = 1.100 ALPHAT(3) = -3.970	X/LB 1.039
	PHI -.1230
	40.000 -.2200
MACH (3) = 1.102 ALPHAT(4) = -1.990	X/LB 1.039
	PHI -.1100
	40.000 -.1910
MACH (3) = 1.100 ALPHAT(5) = .030	X/LB 1.039
	PHI -.1000
	40.000 -.1740
MACH (3) = 1.101 ALPHAT(6) = 2.040	X/LB 1.039
	PHI -.0840
	40.000 -.1630
MACH (3) = 1.102 ALPHAT(7) = 3.980	X/LB 1.039
	PHI -.0630
	40.000 -.1450
MACH (3) = 1.105 ALPHAT(8) = 6.030	X/LB 1.039
	PHI -.1060
	40.000 -.1290

(RDMF44)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 AWES 11-707 1A9 C2A + S3 + T9 BODY FLAP

SECTION (1) BODY FLAP DEPENDENT VARIABLE CP

MACH (3) = 1.102 ALPHAT(9) = 8.010	X/LB	1.039
	PHI	.000
	40.000	-.0610
	40.000	-.1320
MACH (4) = 1.247 ALPHAT(1) = -8.060	X/LB	1.039
	PHI	.000
	40.000	-.1560
	40.000	-.1520
MACH (4) = 1.250 ALPHAT(2) = -5.960	X/LB	1.039
	PHI	.000
	40.000	-.1450
	40.000	-.1360
MACH (4) = 1.247 ALPHAT(3) = -3.960	X/LB	1.039
	PHI	.000
	40.000	-.1200
	40.000	-.1250
MACH (4) = 1.248 ALPHAT(4) = -2.000	X/LB	1.039
	PHI	.000
	40.000	-.0960
	40.000	-.1160
MACH (4) = 1.248 ALPHAT(5) = .020	X/LB	1.039
	PHI	.000
	40.000	-.0870
	40.000	-.1060
MACH (4) = 1.244 ALPHAT(6) = 2.070	X/LB	1.039
	PHI	.000
	40.000	-.0720
	40.000	-.1250
MACH (4) = 1.248 ALPHAT(7) = 4.020	X/LB	1.039
	PHI	.000
	40.000	-.0760
	40.000	-.1230
MACH (4) = 1.246 ALPHAT(8) = 6.030	X/LB	1.039
	PHI	.000
	40.000	-.0740
	40.000	-.1240

DEPENDENT VARIABLE CP

SECTION (1) BODY FLAP

MACH (4) = 1.246	ALPHAT(9) = 0.010	X/LB	1.039
		PHI	.000
			-.0670
			-.1100
			46.000

DATE 20 SEP 73 (27 APR 73)

TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 02A + S3 + T9 OMS ROD OUTSIDE

REFERENCE DATA

SREF = 2.4210 SQ.FT. XREF = 1.000 INCHES
 LREF = 39.8490 INCHES YREF = 1.000 INCHES
 BREF = 39.8490 INCHES ZREF = 1.000 INCHES
 SCALE = .0000 SCALE

PARAMETRIC DATA

BETAT = .000 ORBINC = 1.500
 RUDDER = .000 ELEVON = .000
 RUOFLR = .000

DEPENDENT VARIABLE CP

SECTION (1) OMS ROD OUTSIDE

MACH (1) = .601 ALPHAT(1) = -8.140

X/LB 1.001
 PHI 110.000
 120.000 -1.2570
 120.000 -1.1970

MACH (1) = .598 ALPHAT(2) = -6.230

X/LB 1.001
 PHI 110.000
 120.000 -1.2620
 120.000 -1.1940

MACH (1) = .597 ALPHAT(3) = -4.100

X/LB 1.001
 PHI 110.000
 120.000 -1.2580
 120.000 -1.1940

MACH (1) = .599 ALPHAT(4) = -2.060

X/LB 1.001
 PHI 110.000
 120.000 -1.2520
 120.000 -1.1880

MACH (1) = .597 ALPHAT(5) = -.060

X/LB 1.001
 PHI 110.000
 120.000 -1.2480
 120.000 -1.1860

MACH (1) = .598 ALPHAT(6) = 1.960

X/LB 1.001
 PHI 110.000
 120.000 -1.2390
 120.000 -1.1810

MACH (1) = .597 ALPHAT(7) = 3.930

X/LB 1.001
 PHI 110.000
 120.000 -1.2320
 120.000 -1.1810

MACH (1) = .600 ALPHAT(8) = 5.900

X/LB 1.001
 PHI 110.000
 120.000 -1.2380
 120.000 -1.1850

(3000.1)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 AMES 11-757 1A9 02A + S3 + T9 QMS FOD OUTSIDE

DEPENDENT VARIABLE CP

SECTION (1) QMS FOD OUTSIDE

MACH (1) = .999 ALPHAT (9) = 7.95° X/LB 1.001
 PHI - .2310
 110.000 - .2310
 120.000 - .1830

MACH (2) = .905 ALPHAT (1) = -8.12° X/LB 1.001
 PHI - .3010
 110.000 - .3010
 120.000 - .2350

MACH (2) = .899 ALPHAT (2) = -5.980 X/LB 1.001
 PHI - .2860
 110.000 - .2860
 120.000 - .2210

MACH (2) = .898 ALPHAT (3) = -4.000 X/LB 1.001
 PHI - .2760
 110.000 - .2760
 120.000 - .2180

MACH (2) = .902 ALPHAT (4) = -1.980 X/LB 1.001
 PHI - .2690
 110.000 - .2690
 120.000 - .2100

MACH (2) = .902 ALPHAT (5) = .030 X/LB 1.001
 PHI - .2620
 110.000 - .2620
 120.000 - .1910

MACH (2) = .901 ALPHAT (6) = 2.100 X/LB 1.001
 PHI - .2540
 110.000 - .2540
 120.000 - .1920

MACH (2) = .899 ALPHAT (7) = 4.030 X/LB 1.001
 PHI - .2470
 110.000 - .2470
 120.000 - .1920

MACH (2) = .901 ALPHAT (8) = 6.000 X/LB 1.001
 PHI - .2570
 110.000 - .2570
 120.000 - .2190

(RBWMD1)

DATE 24 SEP 73 TABULATED PRESSURE DATA - 1A9A
 AWES 11-707 1A9 Q2A + S3 + T9 QWS POD OUTSIDE

SECTION (1) QWS POD OUTSIDE DEPENDENT VARIABLE CP

MACH (2) = .902 ALPHAT(9) = 8.030 X/LB 1.001
 PHI
 110.000 -.2880
 120.000 -.2240

MACH (2) = .901 ALPHAT(10) = 10.000 X/LB 1.001
 PHI
 110.000 -.2940
 120.000 -.2520

MACH (3) = 1.104 ALPHAT(1) = -8.010 X/LB 1.001
 PHI
 110.000 -.3100
 120.000 -.2470

MACH (3) = 1.101 ALPHAT(2) = -5.990 X/LB 1.001
 PHI
 110.000 -.3290
 120.000 -.2550

MACH (3) = 1.104 ALPHAT(3) = -3.980 X/LB 1.001
 PHI
 110.000 -.3310
 120.000 -.2640

MACH (3) = 1.102 ALPHAT(4) = -2.000 X/LB 1.001
 PHI
 110.000 -.3480
 120.000 -.2800

MACH (3) = 1.102 ALPHAT(5) = .000 X/LB 1.001
 PHI
 110.000 -.3650
 120.000 -.2900

MACH (3) = 1.101 ALPHAT(6) = 2.010 X/LB 1.001
 PHI
 110.000 -.3650
 120.000 -.2990

MACH (3) = 1.102 ALPHAT(7) = 4.020 X/LB 1.001
 PHI
 110.000 -.3680
 120.000 -.3150

(RBMU1)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 AMES 11-707 1A9 ORA + S3 + T9 OMS POD OUTSIDE

DEPENDENT VARIABLE CP

SECTION (1) OMS POD OUTSIDE

MACH (3) = 1.105 ALPHAT(8) = 5.980 X/LB 1.001
 PHI
 110.000 -.1030
 120.000 -.3000

MACH (3) = 1.102 ALPHAT(9) = 7.980 X/LB 1.001
 PHI
 110.000 -.2580
 120.000 -.1620

MACH (3) = 1.102 ALPHAT(10) = 9.990 X/LB 1.001
 PHI
 110.000 -.3290
 120.000 -.2400

MACH (4) = 1.250 ALPHAT(1) = -8.000 X/LB 1.001
 PHI
 110.000 -.1910
 120.000 -.1340

MACH (4) = 1.252 ALPHAT(2) = -5.980 X/LB 1.001
 PHI
 110.000 -.2020
 120.000 -.1530

MACH (4) = 1.248 ALPHAT(3) = -4.000 X/LB 1.001
 PHI
 110.000 -.2170
 120.000 -.1690

MACH (4) = 1.250 ALPHAT(4) = -1.980 X/LB 1.001
 PHI
 110.000 -.2380
 120.000 -.1890

MACH (4) = 1.249 ALPHAT(5) = .1000 X/LB 1.141
 PHI
 110.000 -.2520
 120.000 -.2040

MACH (4) = 1.247 ALPHAT(6) = 2.000 X/LB 1.141
 PHI
 110.000 -.2760
 120.000 -.2770

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A

AVES 11-707 1A9 OEA + S3 + T9 OMS FOD OUTSIDE

(RBMND1)

SECTION (1) OMS FOD OUTSIDE DEPENDENT VARIABLE CP

MACH (4) = 1.248	ALPHAT (7) = 4.040	X/LB	1.001
		PHI	
		110.000	-.2820
		120.000	-.2360
MACH (4) = 1.247	ALPHAT (8) = 6.010	X/LB	1.001
		PHI	
		110.000	-.2980
		120.000	-.2520
MACH (4) = 1.247	ALPHAT (9) = 8.010	X/LB	1.001
		PHI	
		110.000	-.3150
		120.000	-.2610
MACH (4) = 1.246	ALPHAT (10) = 9.980	X/LB	1.001
		PHI	
		110.000	-.2510
		120.000	-.1760

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

DEPENDENT VARIABLE CP

SECTION (1) OMS POD OUTSIDE

MACH (1) = .598	ALPHAT(1) = -8.020	X/LB	1.001
		PHI	
		110.000	-.2630
		120.000	-.1960
MACH (1) = .598	ALPHAT(2) = -6.020	X/LB	1.001
		PHI	
		110.000	-.2570
		120.000	-.1960
MACH (1) = .599	ALPHAT(3) = -3.990	X/LB	1.001
		PHI	
		110.000	-.2470
		120.000	-.1870
MACH (1) = .598	ALPHAT(4) = -1.910	X/LB	1.001
		PHI	
		110.000	-.2500
		120.000	-.1890
MACH (1) = .599	ALPHAT(5) = .020	X/LB	1.001
		PHI	
		110.000	-.2490
		120.000	-.1830
MACH (1) = .599	ALPHAT(6) = 2.020	X/LB	1.001
		PHI	
		110.000	-.2470
		120.000	-.1770
MACH (1) = .597	ALPHAT(7) = 4.020	X/LB	1.001
		PHI	
		110.000	-.2370
		120.000	-.1710
MACH (1) = .599	ALPHAT(8) = 6.010	X/LB	1.001
		PHI	
		110.000	-.2350
		120.000	-.1850

PARAMETRIC DATA

BETAT = .000 ORBINC = .500
RUDDER = .000 ELEVON = .000
RUOFLR = .000

(RBMPL2)

DATE 21 SEP 73 TABULATED PRESSURE DATA - 1A9A
AMES 11-757 1A9 OEA + S3 + T9 OMS POD OUTSIDE

DEPENDENT VARIABLE CP

SECTION (1) OMS POD OUTSIDE

MACH (1) = .597 ALPHAT (9) = 8.000 X/LB 1.001
PHI
110.000 -.2320
120.000 -.1810

MACH (2) = .903 ALPHAT (1) = -8.000 X/LB 1.001
PHI
110.000 -.3040
120.000 -.2410

MACH (2) = .901 ALPHAT (2) = -6.000 X/LB 1.001
PHI
110.000 -.2920
120.000 -.2240

MACH (2) = .900 ALPHAT (3) = -4.000 X/LB 1.001
PHI
110.000 -.2820
120.000 -.2150

MACH (2) = .898 ALPHAT (4) = -1.990 X/LB 1.001
PHI
110.000 -.2680
120.000 -.1990

MACH (2) = .899 ALPHAT (5) = .000 X/LB 1.001
PHI
110.000 -.2570
120.000 -.1890

MACH (2) = .898 ALPHAT (6) = 2.000 X/LB 1.001
PHI
110.000 -.2520
120.000 -.1870

MACH (2) = .903 ALPHAT (7) = 4.000 X/LB 1.001
PHI
110.000 -.2480
120.000 -.1880

MACH (2) = .897 ALPHAT (8) = 6.000 X/LB 1.001
PHI
110.000 -.2500
120.000 -.1910

(RBMPE/2)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 AWES 11-707 1A9 02A + S3 + T9 OWS POD OUTSIDE

DEPENDENT VARIABLE CP

SECTION (1) OWS POD OUTSIDE

MACH (2) = .900 ALPHAT(9) = 8.000	X/LB 1.001
	PHI -.2610
	110.000 -.2060
	120.000 -.2060
 MACH (3) = 1.102 ALPHAT(1) = -8.050	 X/LB 1.001
	PHI -.3080
	110.000 -.2390
	120.000 -.2390
 MACH (3) = 1.103 ALPHAT(2) = -6.010	 X/LB 1.001
	PHI -.3190
	110.000 -.2470
	120.000 -.2470
 MACH (3) = 1.102 ALPHAT(3) = -4.000	 X/LB 1.001
	PHI -.3240
	110.000 -.2540
	120.000 -.2540
 MACH (3) = 1.102 ALPHAT(4) = -1.990	 X/LB 1.001
	PHI -.3340
	110.000 -.2660
	120.000 -.2660
 MACH (3) = 1.102 ALPHAT(5) = -.050	 X/LB 1.001
	PHI -.3390
	110.000 -.2890
	120.000 -.2890
 MACH (3) = 1.102 ALPHAT(6) = 1.990	 X/LB 1.001
	PHI -.3560
	110.000 -.2880
	120.000 -.2880
 MACH (3) = 1.102 ALPHAT(7) = 3.990	 X/LB 1.001
	PHI -.3720
	110.000 -.3050
	120.000 -.3050
 MACH (3) = 1.102 ALPHAT(8) = 5.970	 X/LB 1.001
	PHI -.3760
	110.000 -.3210
	120.000 -.3210

(RBM42)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 AMES 11-707 1A9 02A + S3 + T9 OMS POD OUTSIDE

SECTION (1) OMS POD OUTSIDE DEPENDENT VARIABLE CP

MACH (3) = 1.101 ALPHAT(9) = 7.940	X/LB 1.001
	PHI -.1850
	110.000 -.0770
	120.000 -.0770
MACH (4) = 1.249 ALPHAT(1) = -8.060	X/LB 1.001
	PHI -.1840
	110.000 -.1330
	120.000 -.1330
MACH (4) = 1.246 ALPHAT(2) = -6.020	X/LB 1.001
	PHI -.1900
	110.000 -.1390
	120.000 -.1390
MACH (4) = 1.249 ALPHAT(3) = -3.960	X/LB 1.001
	PHI -.2060
	110.000 -.1470
	120.000 -.1470
MACH (4) = 1.245 ALPHAT(4) = -1.950	X/LB 1.001
	PHI -.7290
	110.000 -.1690
	120.000 -.1690
MACH (4) = 1.246 ALPHAT(5) = .040	X/LB 1.001
	PHI -.2420
	110.000 -.1850
	120.000 -.1850
MACH (4) = 1.244 ALPHAT(6) = 2.030	X/LB 1.001
	PHI -.2640
	110.000 -.1990
	120.000 -.1990
MACH (4) = 1.245 ALPHAT(7) = 3.970	X/LB 1.001
	PHI -.2710
	110.000 -.2190
	120.000 -.2190
MACH (4) = 1.245 ALPHAT(8) = 5.990	X/LB 1.001
	PHI -.2790
	110.000 -.2420
	120.000 -.2420

(RBMHJ2)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 AMES 11-707 1A9 02A + S3 + T9 OMS POD OUTSIDE

SECTION (1) OMS POD OUTSIDE DEPENDENT VARIABLE CP

MACH (4) = 1.247 ALPHAT(9) = 7.980	X/LB	1.001
	PHI	
	110.000	-.3020
	120.000	-.2520
MACH (5) = 1.401 ALPHAT(1) = -8.050	X/LB	1.001
	PHI	
	110.000	-.1130
	120.000	-.0910
MACH (5) = 1.396 ALPHAT(2) = -5.970	X/LB	1.001
	PHI	
	110.000	-.1280
	120.000	-.0890
MACH (5) = 1.396 ALPHAT(3) = -3.980	X/LB	1.001
	PHI	
	110.000	-.1480
	120.000	-.1210
MACH (5) = 1.396 ALPHAT(4) = -1.890	X/LB	1.001
	PHI	
	110.000	-.1630
	120.000	-.1370
MACH (5) = 1.396 ALPHAT(5) = .040	X/LB	1.001
	PHI	
	110.000	-.1820
	120.000	-.1510
MACH (5) = 1.393 ALPHAT(6) = 2.000	X/LB	1.001
	PHI	
	110.000	-.1950
	120.000	-.1580
MACH (5) = 1.394 ALPHAT(7) = 3.980	X/LB	1.001
	PHI	
	110.000	-.2130
	120.000	-.1750
MACH (5) = 1.396 ALPHAT(8) = 6.030	X/LB	1.001
	PHI	
	110.000	-.2270
	120.000	-.2020

DATE 24 SEP 73

TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 02A + S3 + T9 OMS POD OUTSIDE

INDEPENDENT VARIABLE	DEPENDENT VARIABLE CP
AGE	0.000000
SEX	0.000000
EDUCATION	0.000000
INCOME	0.000000
RELIGION	0.000000
POLITICAL	0.000000
ETHNICITY	0.000000
REGION	0.000000
TIME	0.000000
CONSTANT	0.000000

MACH (5) = 1.391	ALPHAT(9) = 7.990	X/LB	1.001
		PHI	
		110.000	- .2460
		120.000	- .2230

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

AVES 11-707 1A9 02A + S3 + T9 QMS POD OUTSIDE

(R5W4J3) 28 APR 73

REFERENCE DATA

SREF = 2.4210 SQ.FT.
LREF = 19.8490 INCHES
BREF = 39.8490 INCHES
SCALE = .0300 SCALE

XMRP = 28.9300 INCHES
YMRP = .0000 INCHES
ZMRP = .0000 INCHES

PARAMETRIC DATA

ALPHAT = -8.0000
RUDDER = .0000
RUOPLR = .0000
OFFINC = .5000
ELEVON = .0000

SECTION (1) QMS POD OUTSIDE		DEPENDENT VARIABLE CP	
MACH (1) = .598	BETAT (1) = -8.0000	X/LB	1.0001
		PHI	
		110.000	-.2610
		120.000	-.1630
MACH (1) = .598	BETAT (2) = -6.0000	X/LB	1.0001
		PHI	
		110.000	-.2690
		120.000	-.1760
MACH (1) = .598	BETAT (3) = -4.0000	X/LB	1.0001
		PHI	
		110.000	-.2600
		120.000	-.1850
MACH (1) = .598	BETAT (4) = -2.0000	X/LB	1.0001
		PHI	
		110.000	-.2710
		120.000	-.1960
MACH (1) = .598	BETAT (5) = .0000	X/LB	1.0001
		PHI	
		110.000	-.2670
		120.000	-.2120
MACH (1) = .598	BETAT (6) = 2.0000	X/LB	1.0001
		PHI	
		110.000	-.2640
		120.000	-.2170
MACH (1) = .598	BETAT (7) = 4.0000	X/LB	1.0001
		PHI	
		110.000	-.2620
		120.000	-.2370
MACH (1) = .598	BETAT (8) = 6.0000	X/LB	1.0001
		PHI	
		110.000	-.2790
		120.000	-.2540

(RDMPLJ3)

DATE 24 SEP 73 TABULATED PRESSURE DATA - 1A9A
ANES 11-707 1A9 02A + S3 + T9 OWS POD OUTSIDE

DEPENDENT VARIABLE CP

SECTION (1) OWS POD OUTSIDE

MACH (1) = .599 BETAT (9) = 6.180
X/LB 1.001
PHI
110.000 -.2830
120.000 -.2630

MACH (2) = .901 BETAT (1) = -8.140
X/LB 1.001
PHI
110.000 -.2830
120.000 -.1720

MACH (2) = .900 BETAT (2) = -6.100
X/LB 1.001
PHI
110.000 -.2890
120.000 -.1860

MACH (2) = .900 BETAT (3) = -4.080
X/LB 1.001
PHI
110.000 -.2880
120.000 -.1930

MACH (2) = .898 BETAT (4) = -2.020
X/LB 1.001
PHI
110.000 -.2890
120.000 -.2070

MACH (2) = .899 BETAT (5) = 2.080
X/LB 1.001
PHI
110.000 -.2880
120.000 -.2540

MACH (2) = .898 BETAT (6) = 4.140
X/LB 1.001
PHI
110.000 -.3220
120.000 -.2810

MACH (2) = .901 BETAT (7) = 6.210
X/LB 1.001
PHI
110.000 -.3220
120.000 -.2920

MACH (2) = .900 BETAT (8) = 8.270
X/LB 1.001
PHI
110.000 -.3110
120.000 -.3230

(RBM-13)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 ANES 11-707 1A9 02A + S3 + T9 OMS POD OUTSIDE

DEPENDENT VARIABLE CP

SECTION (1) OMS POD OUTSIDE

MACH (3) = 1.101 BETAT (1) = -8.170
 X/LB 1.001
 PHI
 110.000 -.1740
 120.000 -.0370

MACH (3) = 1.100 BETAT (2) = -6.120
 X/LB 1.001
 PHI
 110.000 -.1900
 120.000 -.0990

MACH (3) = 1.102 BETAT (3) = -4.080
 X/LB 1.001
 PHI
 110.000 -.2470
 120.000 -.1510

MACH (3) = 1.100 BETAT (4) = -2.030
 X/LB 1.001
 PHI
 110.000 -.2670
 120.000 -.1950

MACH (3) = 1.099 BETAT (5) = .020
 X/LB 1.001
 PHI
 110.000 -.3090
 120.000 -.2400

MACH (3) = 1.101 BETAT (6) = 2.080
 X/LB 1.001
 PHI
 110.000 -.3260
 120.000 -.2760

MACH (3) = 1.100 BETAT (7) = 4.160
 X/LB 1.001
 PHI
 110.000 -.3550
 120.000 -.3150

MACH (3) = 1.103 BETAT (8) = 6.240
 X/LB 1.001
 PHI
 110.000 -.3760
 120.000 -.3380

MACH (3) = 1.101 BETAT (9) = 7.800
 X/LB 1.001
 PHI
 110.000 -.3810
 120.000 -.3540

(REMOVED)

DATE 27 SEP 73 TABULATED PRESSURE DATA - 1A9A
 AMES 11-707 1A9 02A + S3 + T9 CWS POD OUTSIDE

DEPENDENT VARIABLE CP

SECTION (1) CWS POD OUTSIDE

MACH (4) = 1.248	BETAT (1) = -8.130	X/LB	1.001
		PHI	
		110.000	-.0890
		120.000	.0190
MACH (4) = 1.249	BETAT (2) = -6.080	X/LB	1.001
		PHI	
		110.000	-.1100
		120.000	-.0290
MACH (4) = 1.245	BETAT (3) = -4.050	X/LB	1.001
		PHI	
		110.000	-.1310
		120.000	-.0620
MACH (4) = 1.246	BETAT (4) = -2.020	X/LB	1.001
		PHI	
		110.000	-.1550
		120.000	-.0990
MACH (4) = 1.247	BETAT (5) = 2.080	X/LB	1.001
		PHI	
		110.000	-.2010
		120.000	-.1540
MACH (4) = 1.247	BETAT (6) = 4.140	X/LB	1.001
		PHI	
		110.000	-.2280
		120.000	-.1760
MACH (4) = 1.248	BETAT (7) = 6.190	X/LB	1.001
		PHI	
		110.000	-.2390
		120.000	-.1970
MACH (4) = 1.251	BETAT (8) = 8.250	X/LB	1.001
		PHI	
		110.000	-.2660
		120.000	-.2430

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A
AMES 11-707 1A9 02A + S3 + T9 QMS FOD OUTSIDE

(REMARKS) (29 APR 73)

GEOMETRIC DATA

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5390 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

ALPHAT = -6.1000
RUDDER = 1.0000
RUDFLR = 1.0000

OSBNG = 3.0000
ELEVON = 1.0000

DEPENDENT VARIABLE CP

SECTION (1) QMS FOD OUTSIDE

MACH (1) = .598 BETAT (1) = -8.060
X/LB 1.001
PHI 110.000 -2590
120.000 -1680

MACH (1) = .597 BETAT (2) = -6.040
X/LB 1.001
PHI 110.000 -2490
120.000 -1700

MACH (1) = .599 BETAT (3) = -4.020
X/LB 1.001
PHI 110.000 -2540
120.000 -1780

MACH (1) = .599 BETAT (4) = -2.000
X/LB 1.001
PHI 110.000 -2600
120.000 -1900

MACH (1) = .600 BETAT (5) = .020
X/LB 1.001
PHI 110.000 -2630
120.000 -2100

MACH (1) = .599 BETAT (6) = 2.060
X/LB 1.001
PHI 110.000 -2550
120.000 -2110

MACH (1) = .599 BETAT (7) = 4.090
X/LB 1.001
PHI 110.000 -2690
120.000 -2300

MACH (1) = .600 BETAT (8) = 6.120
X/LB 1.001
PHI 110.000 -2700
120.000 -2400

DATE 24 SEP 73

TABULATED PRESSURE DATA - 1A9A
AMES 11-757 1A9 024 + S3 + T9 OMS POD OUTSIDE

(RBMP24)

SECTION (1) OMS POD OUTSIDE DEPENDENT VARIABLE CP

MACH (1) = .601 BETAT (9) = 8.160
X/LB 1.001
PHI
110.000 -.2890
120.000 -.2710

MACH (2) = .699 BETAT (1) = -8.160
X/LB 1.001
PHI
110.000 -.2690
120.000 -.1690

MACH (2) = .697 BETAT (2) = -6.100
X/LB 1.001
PHI
110.000 -.2680
120.000 -.1780

MACH (2) = .902 BETAT (3) = -4.070
X/LB 1.001
PHI
110.000 -.2770
120.000 -.1900

MACH (2) = .900 BETAT (4) = -2.030
X/LB 1.001
PHI
110.000 -.2820
120.000 -.2000

MACH (2) = .902 BETAT (5) = 2.080
X/LB 1.001
PHI
110.000 -.3040
120.000 -.2450

MACH (2) = .903 BETAT (6) = 4.140
X/LB 1.001
PHI
110.000 -.3100
120.000 -.2690

MACH (2) = .900 BETAT (7) = 6.190
X/LB 1.001
PHI
110.000 -.3170
120.000 -.2770

MACH (2) = .698 BETAT (8) = 8.240
X/LB 1.001
PHI
110.000 -.3170
120.000 -.3020

(RBWMEJA)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 AWE'S 11-707 1A9 02A + S3 + T9 OMS PCO OUTSIDE

SECTION (1) OMS PCO OUTSIDE

DEPENDENT VARIABLE CP

MACH (3) = 1.100	BETAT (1) = -0.195	X/LB	1.001
		PHI	
		110.000	-.1677
		120.000	-.0200
MACH (3) = 1.099	BETAT (2) = -0.120	X/LB	1.001
		PHI	
		110.000	-.2460
		120.000	-.1450
MACH (3) = 1.101	BETAT (3) = -0.080	X/LB	1.001
		PHI	
		110.000	-.2560
		120.000	-.1750
MACH (3) = 1.101	BETAT (4) = -2.030	X/LB	1.001
		PHI	
		110.000	-.2910
		120.000	-.2110
MACH (3) = 1.099	BETAT (5) = 2.090	X/LB	1.001
		PHI	
		110.000	-.3960
		120.000	-.2830
MACH (3) = 1.099	BETAT (6) = 4.150	X/LB	1.001
		PHI	
		110.000	-.3690
		120.000	-.3160
MACH (3) = 1.100	BETAT (7) = 6.210	X/LB	1.001
		PHI	
		110.000	-.3600
		120.000	-.3430
MACH (3) = 1.098	BETAT (8) = 8.290	X/LB	1.001
		PHI	
		110.000	-.3690
		120.000	-.3640
MACH (4) = 1.246	BETAT (1) = -0.140	X/LB	1.001
		PHI	
		110.000	-.1180
		120.000	-.1020

(RBMH14)

DATE 20 SEP 71 TABULATED PRESSURE DATA - 1A9A
AMES 11-757 1A9 O2A + S3 + T9 OMS POD OUTSIDE

SECTION (1) OMS POD OUTSIDE
DEPENDENT VARIABLE CP

MACH (4) = 1.246	BETAT (2) = -6.100	X/LB	1.001
		PHI	
		110.000	-.1240
		120.000	-.0470
MACH (4) = 1.244	BETAT (3) = -4.060	X/LB	1.001
		PHI	
		110.000	-.1410
		120.000	-.0740
MACH (4) = 1.247	BETAT (4) = -2.020	X/LB	1.001
		PHI	
		110.000	-.1630
		120.000	-.0960
MACH (4) = 1.245	BETAT (5) = 2.070	X/LB	1.001
		PHI	
		110.000	-.2120
		120.000	-.1680
MACH (4) = 1.248	BETAT (6) = 4.120	X/LB	1.001
		PHI	
		110.000	-.2250
		120.000	-.1720
MACH (4) = 1.245	BETAT (7) = 6.170	X/LB	1.001
		PHI	
		110.000	-.2490
		120.000	-.2090
MACH (4) = 1.245	BETAT (8) = 8.210	X/LB	1.001
		PHI	
		110.000	-.2680
		120.000	-.2410

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 AVES 11-707 1A9 02A + S3 + T9 0MS POD OUTSIDE

(RBMW05) (28 APR 73)

PARAMETRIC DATA

ALPHAT = -4.000 ORBINC = .5143
 RUDDER = .0000 ELEVON = .0020
 RUOFLR = .0020

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
 LREF = 39.8490 INCHES YMRP = .0000 INCHES
 BREF = 39.8490 INCHES ZMRP = .0000 INCHES
 SCALE = .0000 SCALE

DEPENDENT VARIABLE CP

SECTION (1) 0MS POD OUTSIDE

MACH (1) = .600	BETAT (1) = .020	X/LB	PHI
		110.000	1.001
		120.000	-.2580
		120.000	-.1940

MACH (1) = .598	BETAT (2) = 4.080	X/LB	PHI
		110.000	1.001
		120.000	-.2770
		120.000	-.2220

MACH (1) = .599	BETAT (3) = 6.120	X/LB	PHI
		110.000	1.001
		120.000	-.2770
		120.000	-.2480

MACH (1) = .599	BETAT (4) = 9.150	X/LB	PHI
		110.000	1.001
		120.000	-.2870
		120.000	-.2650

MACH (2) = .903	BETAT (1) = -8.170	X/LB	PHI
		110.000	1.001
		120.000	-.2540
		120.000	-.1580

MACH (2) = .901	BETAT (2) = -6.110	X/LB	PHI
		110.000	1.001
		120.000	-.2590
		120.000	-.1730

MACH (2) = .902	BETAT (3) = -4.070	X/LB	PHI
		110.000	1.001
		120.000	-.2710
		120.000	-.1870

MACH (2) = .901	BETAT (4) = -2.030	X/LB	PHI
		110.000	1.001
		120.000	-.2680
		120.000	-.1960

(RBHMD5)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
AVES 11-707 1A9 02A + S3 + T9 OMS FOD OUTSIDE

SECTION (1) OMS FOD OUTSIDE DEPENDENT VARIABLE CP

MACH (1) = .903 BETAT (5) = 2.079	X/LB 1.001
	PHI
	110.000 -.3000
	120.000 -.2290
MACH (2) = .900 BETAT (6) = 4.120	X/LB 1.001
	PHI
	110.000 -.3020
	120.000 -.2470
MACH (2) = .904 BETAT (7) = 6.170	X/LB 1.001
	PHI
	110.000 -.2990
	120.000 -.2520
MACH (2) = .899 BETAT (8) = 8.230	X/LB 1.001
	PHI
	110.000 -.3000
	120.000 -.2840
MACH (3) = 1.100 BETAT (1) = -0.200	X/LB 1.001
	PHI
	110.000 -.1390
	120.000 -.1040
MACH (3) = 1.097 BETAT (2) = -6.130	X/LB 1.001
	PHI
	110.000 -.2510
	120.000 -.1640
MACH (3) = 1.101 BETAT (3) = -4.080	X/LB 1.001
	PHI
	110.000 -.2870
	120.000 -.1970
MACH (3) = 1.099 BETAT (4) = -2.030	X/LB 1.001
	PHI
	110.000 -.3050
	120.000 -.2230
MACH (3) = 1.101 BETAT (5) = 2.080	X/LB 1.001
	PHI
	110.000 -.3490
	120.000 -.2930

(RMWGS)

DATE 20 SEP 73 T/VALUED PRESSURE DATA - 1ASA
 AMES 11-707 1A9 02A + S3 + T9 CWS PCD OUTSIDE

DEPENDENT VARIABLE CP

SECTION (1) CWS PCD OUTSIDE

MACH (3) = 1.102	BETAT (6) = 4.140	X/LB	1.001
		PHI	
		110.000	-.3720
		120.000	-.3690
MACH (3) = 1.100	BETAT (7) = 6.200	X/LB	1.001
		PHI	
		110.000	-.3620
		120.000	-.3510
MACH (3) = 1.100	BETAT (8) = 8.270	X/LB	1.001
		PHI	
		110.000	-.3680
		120.000	-.3670
MACH (4) = 1.245	BETAT (1) = -8.150	X/LB	1.001
		PHI	
		110.000	-.1290
		120.000	-.0340
MACH (4) = 1.245	BETAT (2) = -8.110	X/LB	1.001
		PHI	
		110.000	-.1390
		120.000	-.0610
MACH (4) = 1.245	BETAT (3) = -4.080	X/LB	1.001
		PHI	
		110.000	-.1580
		120.000	-.0880
MACH (4) = 1.246	BETAT (4) = -2.020	X/LB	1.001
		PHI	
		110.000	-.1750
		120.000	-.1130
MACH (4) = 1.243	BETAT (5) = 2.080	X/LB	1.001
		PHI	
		110.000	-.2220
		120.000	-.1810
MACH (4) = 1.241	BETAT (6) = 4.120	X/LB	1.001
		PHI	
		110.000	-.2180
		120.000	-.1830

(RBMHDS)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 AWS 11-707 1A9 02A + S3 + T9 CMS PCD OUTSIDE

SECTION (1) CMS PCD OUTSIDE DEPENDENT VARIABLE CP

MACH (4) = 1.244	BETAT (7) = 6.160	X/LB	1.001
		PHI	
		110.000	-.2600
		120.000	-.2280
MACH (4) = 1.247	BETAT (8) = 6.210	X/LB	1.001
		PHI	
		110.000	-.2730
		120.000	-.2480

(RBMW6) (20 APR 73)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
AVES 11-707 1A9 02A + S3 + T9 OMS POD OUTSIDE

PARAMETRIC DATA

ALPHAT = -2.000 OFSINC = -5.00
RUDDER = .000 ELEVON = .000
RUOFLR = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XWRP = 23.3300 INCHES
LREF = 39.8490 INCHES YWRP = .0000 INCHES
BREF = 39.8490 INCHES ZWRP = .0000 INCHES
SCALE = .0300 SCALE

SECTION : 110MS POD OUTSIDE DEPENDENT VARIABLE CP

MACH (1) = .599	BETAT (1) = -8.080	X/LB	1.001
		PHI	
		110.000	-.2260
		120.000	-.1990
MACH (1) = .599	BETAT (2) = -6.080	X/LB	1.001
		PHI	
		110.000	-.2200
		120.000	-.1810
MACH (1) = .599	BETAT (3) = -4.080	X/LB	1.001
		PHI	
		110.000	-.2390
		120.000	-.1680
MACH (1) = .603	BETAT (4) = -2.000	X/LB	1.001
		PHI	
		110.000	-.2480
		120.000	-.1760
MACH (1) = .603	BETAT (5) = .000	X/LB	1.001
		PHI	
		110.000	-.2530
		120.000	-.1800
MACH (1) = .603	BETAT (6) = 2.000	X/LB	1.001
		PHI	
		110.000	-.2630
		120.000	-.2050
MACH (1) = .603	BETAT (7) = 4.000	X/LB	1.001
		PHI	
		110.000	-.2740
		120.000	-.2250
MACH (1) = .599	BETAT (8) = 6.110	X/LB	1.001
		PHI	
		110.000	-.2780
		120.000	-.2440

DATE 20 SE 73 TABULATED PRESSURE DATA - 1A9A (RBM-56)

AMES 11-707 1A9 ORA + S3 + T9 CMS POD OUTSIDE

SECTION (1) CMS POD OUTSIDE DEPENDENT VARIABLE CP

MACH (1) = .870	BETAT (9) = 8.140	X/LB	1.001
		PHI	
		110.000	-.2940
		120.000	-.2650
MACH (2) = .904	BETAT (1) = -8.180	X/LB	1.001
		PHI	
		110.000	-.2360
		120.000	-.1580
MACH (2) = .901	BETAT (2) = -6.130	X/LB	1.001
		PHI	
		110.000	-.2440
		120.000	-.1650
MACH (2) = .902	BETAT (3) = -4.070	X/LB	1.001
		PHI	
		110.000	-.2480
		120.000	-.1740
MACH (2) = .901	BETAT (4) = -2.030	X/LB	1.071
		PHI	
		110.000	-.2620
		120.000	-.1870
MACH (2) = .903	BETAT (5) = 2.080	X/LB	1.001
		PHI	
		110.000	-.2840
		120.000	-.2200
MACH (2) = .903	BETAT (6) = 4.130	X/LB	1.001
		PHI	
		110.000	-.2970
		120.000	-.2320
MACH (2) = .907	BETAT (7) = 6.180	X/LB	1.111
		PHI	
		110.000	-.2990
		120.140	-.2380
MACH (2) = .904	BETAT (8) = 6.230	X/LB	1.141
		PHI	
		110.000	-.2910
		120.140	-.2650

(RBMW16)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
AMES 11-707 1A9 O2A + S3 + T9 OMS POD OUTSIDE

DEPENDENT VARIABLE CP

SECTION (1) OMS POD OUTSIDE

MACH (3) = 1.099 BETAT (1) = -8.210

X/LB 1.001
PHI
110.000 -.2360
120.000 -.1420

MACH (3) = 1.100 BETAT (2) = -6.140

X/LB 1.001
PHI
110.000 -.2750
120.000 -.1760

MACH (3) = 1.100 BETAT (3) = -4.080

X/LB 1.001
PHI
110.000 -.3020
120.000 -.2050

MACH (3) = 1.099 BETAT (4) = -2.030

X/LB 1.001
PHI
110.000 -.3180
120.000 -.2420

MACH (3) = 1.101 BETAT (5) = 2.080

X/LB 1.001
PHI
110.000 -.3580
120.000 -.2970

MACH (3) = 1.100 BETAT (6) = 4.130

X/LB 1.001
PHI
110.000 -.3760
120.000 -.3390

MACH (3) = 1.100 BETAT (7) = 6.190

X/LB 1.001
PHI
110.000 -.3880
120.000 -.3570

MACH (3) = 1.101 BETAT (8) = 8.260

X/LB 1.001
PHI
110.000 -.3940
120.000 -.3660

MACH (4) = 1.248 BETAT (1) = -8.160

X/LB 1.001
PHI
110.000 -.1490
120.000 -.1030

(REBUILT)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 ANES 11-707 1A9 C2A + S3 + T9 OMS FOD OUTSIDE

SECTION (1) OMS FOD OUTSIDE
 DEPENDENT VARIABLE CP

MACH (4) = 1.248 BETAT (2) = -6.110
 X/LB 1.001
 PHI -0.1650
 110.000 -0.0780
 120.000 -0.0780

MACH (4) = 1.248 BETAT (3) = -4.070
 X/LB 1.001
 PHI -0.1600
 110.000 -0.1050
 120.000 -0.1050

MACH (4) = 1.248 BETAT (4) = -2.030
 X/LB 1.001
 PHI -0.1900
 110.000 -0.1290
 120.000 -0.1290

MACH (4) = 1.248 BETAT (5) = 2.070
 X/LB 1.001
 PHI -0.2410
 110.000 -0.2400
 120.000 -0.2400

MACH (4) = 1.247 BETAT (6) = 4.110
 X/LB 1.001
 PHI -0.2370
 110.000 -0.1950
 120.000 -0.1950

MACH (4) = 1.248 BETAT (7) = 6.180
 X/LB 1.001
 PHI -0.2620
 110.000 -0.2380
 120.000 -0.2380

MACH (4) = 1.248 BETAT (8) = 8.240
 X/LB 1.001
 PHI -0.2760
 110.000 -0.2570
 120.000 -0.2570

(BMM47) (28 APR 72

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
ANES 11-707 1A9 08A + 83 + T9 OMS POD OUTSIDE

REFERENCE DATA

SREF = 2.4210 50. FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

ALPHAT = .000
RUDDER = .000
RUOFLR = .000

ORBINX = .500
ELENON = .000

PARAMETRIC DATA

DEPENDENT VARIABLE CP

SECTION (1) OMS POD OUTSIDE
MACH (1) = .997 BETAT (1) = -8.100
X/LB 1.001
PHI 110.000
120.000 -2200
120.000 -1400

MACH (1) = .996 BETAT (2) = -6.080
X/LB 1.001
PHI 110.000
120.000 -2250
120.000 -1570

MACH (1) = .996 BETAT (3) = -4.080
X/LB 1.001
PHI 110.000
120.000 -2350
120.000 -1680

MACH (1) = .995 BETAT (4) = -2.080
X/LB 1.001
PHI 110.000
120.000 -2380
120.000 -1680

MACH (1) = .997 BETAT (5) = .020
X/LB 1.001
PHI 110.000
120.000 -2490
120.000 -1840

MACH (1) = .997 BETAT (6) = 2.050
X/LB 1.001
PHI 110.000
120.000 -2530
120.000 -1960

MACH (1) = .999 BETAT (7) = 4.080
X/LB 1.001
PHI 110.000
120.000 -2710
120.000 -2160

MACH (1) = .997 BETAT (8) = 6.110
X/LB 1.001
PHI 110.000
120.000 -2830
120.000 -2370

DATE 20 SEP 73
 TABULATED PRESSURE DATA - 1A9A
 AMES 11-707 1A9 OCA + S3 + T9 CMS ROD OUTSIDE

12000.7

SECTION 1: 100MS ROD OUTSIDE
 DEPENDENT VARIABLE CP

MACH (1) = .597	BETAT (9) = 8.140	X/LB PHI	1.001
		110.000	-.2960
		120.000	-.2677
MACH (2) = .900	BETAT (1) = -8.180	X/LB PHI	1.001
		110.000	-.2240
		120.000	-.1510
MACH (2) = .899	BETAT (2) = -6.140	X/LB PHI	1.001
		110.000	-.2310
		120.000	-.1600
MACH (2) = .899	BETAT (3) = -4.080	X/LB PHI	1.001
		110.000	-.2470
		120.000	-.1700
MACH (2) = .901	BETAT (4) = -2.030	X/LB PHI	1.001
		110.000	-.2520
		120.000	-.1780
MACH (2) = .901	BETAT (5) = .020	X/LB PHI	1.001
		110.000	-.2640
		120.000	-.1920
MACH (2) = .901	BETAT (6) = 2.070	X/LB PHI	1.001
		110.000	-.2730
		120.000	-.2110
MACH (2) = .900	BETAT (7) = 4.120	X/LB PHI	1.001
		110.000	-.3000
		120.000	-.2230
MACH (2) = .901	BETAT (8) = 6.180	X/LB PHI	1.001
		110.000	-.2930
		120.000	-.2330

(REV. 7)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 AMES 11-707 1A9 02A + S3 + T9 QMS FOR OUTSIDE

SECTION (1) QMS FOR OUTSIDE
 DEPENDENT VARIABLE CP

MACH (2) = .901	BETAT (9) = 0.220	X/LB	1.001
		PHI	
		110.000	-.3080
		120.000	-.2510
MACH (3) = 1.100	BETAT (1) = -0.210	X/LB	1.001
		PHI	
		110.000	-.2500
		120.000	-.1920
MACH (3) = 1.099	BETAT (2) = -6.140	X/LB	1.001
		PHI	
		110.000	-.2880
		120.000	-.1870
MACH (3) = 1.098	BETAT (3) = -4.080	X/LB	1.001
		PHI	
		110.000	-.3130
		120.000	-.2150
MACH (3) = 1.101	BETAT (4) = -2.030	X/LB	1.001
		PHI	
		110.000	-.3260
		120.000	-.2520
MACH (3) = 1.099	BETAT (5) = 2.070	X/LB	1.001
		PHI	
		110.000	-.3570
		120.000	-.3100
MACH (3) = 1.100	BETAT (6) = 4.140	X/LB	1.001
		PHI	
		110.000	-.3770
		120.000	-.3320
MACH (3) = 1.101	BETAT (7) = 6.210	X/LB	1.001
		PHI	
		110.000	-.3940
		120.000	-.3580
MACH (3) = 1.101	BETAT (8) = 0.250	X/LB	1.001
		PHI	
		110.000	-.3930
		120.000	-.3760

(RBWMSJ7)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
AMES 11-707 1A9 02A - S3 + T9 CMS POD OUTSIDE

DEPENDENT VARIABLE CP

SECTION (1) CMS POD OUTSIDE

MACH (4) = 1.249	BETAT (1) = -8.160	X/LB	1.001
		PHI	
		110.000	-.1680
		120.000	-.0670
MACH (4) = 1.248	BETAT (2) = -6.110	X/LB	1.001
		PHI	
		110.000	-.1890
		120.000	-.0930
MACH (4) = 1.248	BETAT (3) = -4.080	X/LB	1.001
		PHI	
		110.000	-.1980
		120.000	-.1170
MACH (4) = 1.247	BETAT (4) = -2.030	X/LB	1.001
		PHI	
		110.000	-.2140
		120.000	-.1530
MACH (4) = 1.247	BETAT (5) = 2.060	X/LB	1.001
		PHI	
		110.000	-.2460
		120.000	-.2050
MACH (4) = 1.245	BETAT (6) = 4.100	X/LB	1.001
		PHI	
		110.000	-.2490
		120.000	-.2130
MACH (4) = 1.246	BETAT (7) = 6.150	X/LB	1.001
		PHI	
		110.000	-.2720
		120.000	-.2510
MACH (4) = 1.247	BETAT (8) = 8.190	X/LB	1.001
		PHI	
		110.000	-.2680
		120.000	-.2740
MACH (5) = 1.395	BETAT (1) = -8.180	X/LB	1.001
		PHI	
		110.000	-.1530
		120.000	-.0510

(RBW437)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 AMES 11-707 1A9 02A + S3 + T9 CMS POD OUTSIDE

SECTION (1) CMS POD OUTSIDE DEPENDENT VARIABLE CP

MACH (5) = 1.395	BETAT (2) = -6.120	X/LB	1.001
		PHI	
		110.000	-.1490
		120.000	-.0630
MACH (5) = 1.397	BETAT (3) = -4.080	X/LB	1.001
		PHI	
		110.000	-.1470
		120.000	-.0930
MACH (5) = 1.396	BETAT (4) = .020	X/LB	1.001
		PHI	
		110.000	-.1760
		120.000	-.1490
MACH (5) = 1.394	BETAT (5) = 4.110	X/LB	1.001
		PHI	
		110.000	-.2030
		120.000	-.1840
MACH (5) = 1.392	BETAT (6) = 9.210	X/LB	1.001
		PHI	
		110.000	-.2380
		120.000	-.2150

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A
AMES 11-707 1A9 02A + S3 + T9 OMS POD OUTSIDE

(RBWMS8) (28 APR 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
 LREF = 39.8490 INCHES YMRP = .0200 INCHES
 BREF = 39.8490 INCHES ZMRP = .0200 INCHES
 SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHAT = 2.000 ORBINC = .500
 RUDDER = .000 ELEVON = .000
 RUDFLR = .000

DEPENDENT VARIABLE CP

SECTION (1) OMS POD OUTSIDE	X/LB	PHI
MACH (1) = .599 BETAT (1) = -8.090	1.001	1.001
	110.000	-.2040
	120.000	-.1310
MACH (1) = .598 BETAT (2) = -6.060	1.001	1.001
	110.000	-.2120
	120.000	-.1590
MACH (1) = .596 BETAT (3) = -4.040	1.001	1.001
	110.000	-.2250
	120.000	-.1600
MACH (2) = .597 BETAT (4) = -2.010	1.001	1.001
	110.000	-.2310
	120.000	-.1710
MACH (3) = .598 BETAT (5) = .020	1.001	1.001
	110.000	-.2370
	120.000	-.1720
MACH (3) = .599 BETAT (6) = 2.050	1.001	1.001
	110.000	-.2560
	120.000	-.1920
MACH (3) = .596 BETAT (7) = 4.080	1.001	1.001
	110.000	-.2610
	120.000	-.2130
MACH (3) = .598 BETAT (8) = 6.110	1.001	1.001
	110.000	-.2850
	120.000	-.2320

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
AMES 11-707 1AS OCA + S3 + T9 CMS POD OUTSIDE

DEPENDENT VARIABLE CP

SECTION (1) CMS POD OUTSIDE

MACH (1) = .599	BETAT (9) = 6.140	X/LB	1.001
		PHI	
		110.000	-.2970
		120.000	-.2990
MACH (2) = .902	BETAT (1) = -6.180	X/LB	1.001
		PHI	
		110.000	-.2210
		120.000	-.1900
MACH (2) = .901	BETAT (2) = -6.130	X/LB	1.001
		PHI	
		110.000	-.2200
		120.000	-.1950
MACH (2) = .999	BETAT (3) = -4.090	X/LB	1.001
		PHI	
		110.000	-.2340
		120.000	-.1660
MACH (2) = .900	BETAT (4) = -2.090	X/LB	1.001
		PHI	
		110.000	-.2430
		120.000	-.1740
MACH (2) = .902	BETAT (5) = 2.070	X/LB	1.001
		PHI	
		110.000	-.2650
		120.000	-.2050
MACH (2) = .905	BETAT (6) = 4.120	X/LB	1.001
		PHI	
		110.000	-.2630
		120.000	-.2210
MACH (2) = .904	BETAT (7) = 6.180	X/LB	1.001
		PHI	
		110.000	-.2730
		120.000	-.2790
MACH (2) = .901	BETAT (8) = 6.230	X/LB	1.001
		PHI	
		110.000	-.3440
		120.000	-.2340

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A

(RBMMLB)

AMES 11-707 1A9 02A + S3 + T9 OMS POD OUTSIDE

DEPENDENT VARIABLE CP

SECTION (1) OMS POD OUTSIDE

MACH (3) = 1.099	BETAT (1) = -6.200	X/LB	1.001
		PHI	
		110.000	-.2950
		120.000	-.1750
MACH (3) = 1.100	BETAT (2) = -6.150	X/LB	1.001
		PHI	
		110.000	-.3060
		120.000	-.2000
MACH (3) = 1.100	BETAT (3) = -6.090	X/LB	1.001
		PHI	
		110.000	-.3220
		120.000	-.2370
MACH (3) = 1.099	BETAT (4) = -2.030	X/LB	1.001
		PHI	
		110.000	-.3350
		120.000	-.2660
MACH (3) = 1.100	BETAT (5) = 2.060	X/LB	1.001
		PHI	
		110.000	-.3670
		120.000	-.3200
MACH (3) = 1.097	BETAT (6) = 4.130	X/LB	1.001
		PHI	
		110.000	-.3670
		120.000	-.3440
MACH (3) = 1.100	BETAT (7) = 6.180	X/LB	1.001
		PHI	
		110.000	-.3910
		120.000	-.3690
MACH (3) = 1.101	BETAT (8) = 6.250	X/LB	1.001
		PHI	
		110.000	-.3990
		120.000	-.3840
MACH (4) = 1.246	BETAT (1) = -6.160	X/LB	1.001
		PHI	
		110.000	-.1950
		120.000	-.1690

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A (RBHMD6)

AMES 11-707 1A9 OCA + S3 + T9 OMS POD OUTSIDE

SECTION (1) OMS POD OUTSIDE

MACH (4) = 1.220 BETAT (2) = -6.110 X/LB 1.001
 PHI
 110.000 -.2090
 120.000 -.1140

MACH (4) = 1.249 BETAT (3) = -4.070 X/LB 1.001
 PHI
 110.000 -.2190
 120.000 -.1400

MACH (4) = 1.248 BETAT (4) = -2.030 X/LB 1.001
 PHI
 110.000 -.2330
 120.000 -.1740

MACH (4) = 1.246 BETAT (5) = 2.060 X/LB 1.001
 PHI
 110.000 -.2670
 120.000 -.2360

MACH (4) = 1.246 BETAT (6) = 4.110 X/LB 1.001
 PHI
 110.000 -.2640
 120.000 -.2350

MACH (4) = 1.247 BETAT (7) = 6.150 X/LB 1.001
 PHI
 110.000 -.2690
 120.000 -.2640

MACH (4) = 1.245 BETAT (8) = 8.200 X/LB 1.001
 PHI
 110.000 -.3030
 120.000 -.2970

(RBMMD9) (28 APR 73)

DATE 26 SEP 73 TABULATED PRESSURE DATA - 1A9A
AMES 11-707 1A9 C2A + S3 + T9 OMS POD OUTSIDE

PARAMETRIC DATA

ALPHAT = 4.000 ORBINC = .500
RUDIER = .000 ELEVON = .000
RUDFLR = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. YMRP = 28.9300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

DEPENDENT VARIABLE CP

SECTION (1) OMS POD OUTSIDE

MACH (1) = .596 BETAT (1) = -8.090
X/LB 1.001
PHI
110.000 -.2120
120.000 -.1470

MACH (1) = .597 BETAT (2) = -6.060
X/LB 1.001
PHI
110.000 -.2130
120.000 -.1530

MACH (1) = .598 BETAT (3) = -4.030
X/LB 1.001
PHI
110.000 -.2210
120.000 -.1610

MACH (1) = .598 BETAT (4) = -2.010
X/LB 1.001
PHI
110.000 -.2250
120.000 -.1680

MACH (1) = .596 BETAT (5) = .020
X/LB 1.001
PHI
110.000 -.2370
120.000 -.1780

MACH (1) = .598 BETAT (6) = 2.050
X/LB 1.141
PHI
110.000 -.2510
120.144 -.1910

MACH (1) = .597 BETAT (7) = 4.080
X/LB 1.141
PHI
110.000 -.2680
120.144 -.2070

MACH (1) = .597 BETAT (8) = 6.120
X/LB 1.141
PHI
110.000 -.2750
120.144 -.2220

(RBMMJ9)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1ASA
AKES 11-707 1A9 C2A + S3 + T9 OMS POD OUTSIDE

SECTION (1) OMS POD OUTSIDE
DEPENDENT VARIABLE CP

MACH (1) = .598 BETAT (9) = 8.150
X/LB 1.001
PHI
110.000 -.2990
120.000 -.2920

MACH (2) = .699 BETAT (1) = -8.170
X/LB 1.001
PHI
110.000 -.2220
120.000 -.1410

MACH (2) = .907 BETAT (2) = -8.120
X/LB 1.001
PHI
110.000 -.2160
120.000 -.1480

MACH (2) = .901 BETAT (3) = -4.080
X/LB 1.001
PHI
110.000 -.2960
120.000 -.1720

MACH (2) = .889 BETAT (4) = -2.030
X/LB 1.001
PHI
110.000 -.2340
120.000 -.1720

MACH (2) = .905 BETAT (5) = 2.070
X/LB 1.001
PHI
110.000 -.2390
120.000 -.1970

MACH (2) = .901 BETAT (6) = 4.130
X/LB 1.001
PHI
110.000 -.2870
120.000 -.2200

MACH (2) = .900 BETAT (7) = 6.180
X/LB 1.001
PHI
110.000 -.2920
120.000 -.2260

MACH (2) = .900 BETAT (8) = 8.240
X/LB 1.001
PHI
110.000 -.3050
120.000 -.2390

(R5M4519)

DATE 20 SEP 75 TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 C2A + S3 + T9 CWS P00 OUTSIDE

SECTION (1) CWS P00 OUTSIDE DEPENDENT VARIABLE CP

MACH (3) = 1.103 BETAT (1) = -8.190
 X/LB 1.001
 PHI 110.000 -.1150
 120.000 .0200

MACH (3) = 1.100 BETAT (2) = -6.140
 X/LB 1.001
 PHI 110.000 -.0790
 120.000 .0040

MACH (3) = 1.103 BETAT (3) = -4.080
 X/LB 1.001
 PHI 110.000 -.3250
 120.000 -.2590

MACH (3) = 1.103 BETAT (4) = -2.030
 X/LB 1.001
 PHI 110.000 -.3460
 120.000 -.2790

MACH (3) = 1.103 BETAT (5) = 2.080
 X/LB 1.001
 PHI 110.000 -.3780
 120.000 -.3260

MACH (3) = 1.103 BETAT (6) = 4.140
 X/LB 1.001
 PHI 110.000 -.3920
 120.000 -.3570

MACH (3) = 1.101 BETAT (7) = 6.210
 X/LB 1.001
 PHI 110.000 -.3990
 120.000 -.3820

MACH (3) = 1.104 BETAT (8) = 8.260
 X/LB 1.001
 PHI 110.000 -.4050
 120.000 -.3980

MACH (4) = 1.246 BETAT (1) = -8.150
 X/LB 1.001
 PHI 110.000 -.2240
 120.000 -.1170

(RBM409)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 AWES 11-707 1A9 02A + S3 + T9 OMS POD OUTSIDE

SECTION (1) OMS POD OUTSIDE

DEPENDENT VARIABLE CP

MACH (4) = 1.248 BETAT (2) = -6.110
 X/LB 1.001
 PHI 110.000 -2390
 120.000 -1480

MACH (4) = 1.249 BETAT (3) = -4.060
 X/LB 1.001
 PHI 110.000 -2270
 120.000 -1580

MACH (4) = 1.248 BETAT (4) = -2.020
 X/LB 1.001
 PHI 110.000 -2470
 120.000 -1920

MACH (4) = 1.249 BETAT (5) = 2.070
 X/LB 1.001
 PHI 110.000 -2780
 120.000 -2490

MACH (4) = 1.249 BETAT (6) = 4.110
 X/LB 1.001
 PHI 110.000 -2780
 120.000 -2480

MACH (4) = 1.249 BETAT (7) = 6.170
 X/LB 1.001
 PHI 110.000 -2960
 120.000 -2760

MACH (4) = 1.246 BETAT (8) = 8.210
 X/LB 1.001
 PHI 110.000 -3090
 120.000 -3090

(RBW410) (28 APR 73)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
AMES 11-707 1A9 OCA + S3 + T9 OMS POD OUTSIDE

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8491 INCHES YMRP = .0000 INCHES
BREF = 39.8491 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHAT = 6.000 ORBINC = .500
RUDDER = .500 ELEVON = .000
RUFLR = .000

DEPENDENT VARIABLE CP

SECTION (1) OMS POD OUTSIDE

MACH (1) = .597	BETAT (1) = -8.070	X/LB	PHI	1.001
		110.000		-2050
		120.000		-1560
MACH (1) = .598	BETAT (2) = -6.050	X/LB	PHI	1.001
		110.000		-2100
		120.000		-1990
MACH (1) = .597	BETAT (3) = -4.030	X/LB	PHI	1.001
		110.000		-2080
		120.000		-1030
MACH (1) = .597	BETAT (4) = -2.000	X/LB	PHI	1.001
		110.000		-2160
		120.000		-1670
MACH (1) = .598	BETAT (5) = .020	X/LB	PHI	1.001
		110.000		-2250
		120.000		-1750
MACH (1) = .598	BETAT (6) = 2.060	X/LB	PHI	1.001
		110.000		-2510
		120.000		-1930
MACH (1) = .597	BETAT (7) = 4.090	X/LB	PHI	1.001
		110.000		-2650
		120.000		-2050
MACH (1) = .598	BETAT (8) = 6.130	X/LB	PHI	1.001
		110.000		-2780
		120.000		-2190

(RBM#15)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 - AMES 11-707 1A9 02A + S3 + T9 OMS POD OUTSIDE

SECTION (1) OMS POD OUTSIDE DEPENDENT VARIABLE CP

MACH (1) = .596 BETAT (9) = 0.170	X/LB 1.001
	PHI
	110.000 -.2920
	120.000 -.2390
MACH (2) = .901 BETAT (1) = -0.160	X/LB 1.001
	PHI
	110.000 -.2210
	120.000 -.1520
MACH (2) = .900 BETAT (2) = -0.110	X/LB 1.001
	PHI
	110.000 -.2290
	120.000 -.1640
MACH (2) = .903 BETAT (3) = -4.070	X/LB 1.001
	PHI
	110.000 -.2360
	120.000 -.1740
MACH (2) = .902 BETAT (4) = -2.080	X/LB 1.001
	PHI
	110.000 -.2400
	120.000 -.1890
MACH (2) = .902 BETAT (5) = 2.080	X/LB 1.001
	PHI
	110.000 -.2710
	120.000 -.2130
MACH (2) = .901 BETAT (6) = 4.130	X/LB 1.001
	PHI
	110.000 -.2930
	120.000 -.2350
MACH (2) = .901 BETAT (7) = 6.200	X/LB 1.001
	PHI
	110.000 -.3010
	120.000 -.2460
MACH (2) = .900 BETAT (8) = 0.260	X/LB 1.001
	PHI
	110.000 -.3160
	120.000 -.2470

(REMARKS)

DATE 20 SEP 70
 TABULATED PRESSURE DATA - 1A9A
 AMES 11-707 1A9 Q2A + S3 + T9 OMS POC OUTSIDE

SECTION (1) OMS POC OUTSIDE
 DEPENDENT VARIABLE CP

MACH (3) = 1.113 BETAT (1) = -8.180

X/LB 1.001
 PHI
 110.000 -0.1450
 120.000 -0.0140

MACH (3) = 1.113 BETAT (2) = -6.130

X/LB 1.001
 PHI
 110.000 -0.1390
 120.000 -0.0160

MACH (3) = 1.112 BETAT (3) = -4.180

X/LB 1.001
 PHI
 110.000 -0.1220
 120.000 -0.0230

MACH (3) = 1.102 BETAT (4) = -2.020

X/LB 1.001
 PHI
 110.000 -0.0580
 120.000 -0.1210

MACH (3) = 1.102 BETAT (5) = 2.080

X/LB 1.001
 PHI
 110.000 -0.3690
 120.000 -0.3480

MACH (3) = 1.102 BETAT (6) = 4.140

X/LB 1.001
 PHI
 110.000 -0.4040
 120.000 -0.3770

MACH (3) = 1.100 BETAT (7) = 6.210

X/LB 1.001
 PHI
 110.000 -0.4180
 120.000 -0.3920

MACH (3) = 1.106 BETAT (8) = 8.280

X/LB 1.001
 PHI
 110.000 -0.4240
 120.000 -0.4010

MACH (4) = 1.246 BETAT (1) = -8.140

X/LB 1.001
 PHI
 110.000 -0.2420
 120.000 -0.1540

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 APES 11-707 1A9 OCA + S3 + T9 OMS POD OUTSIDE

DEPENDENT VARIABLE CP

SECTION (1) OMS POD OUTSIDE

MACH (4) = 1.248	BETAT (2) = -6.100	X/LB	1.001
		PHI	
		110.000	-2.480
		120.000	-1.1670
MACH (4) = 1.250	BETAT (3) = -4.090	X/LB	1.001
		PHI	
		110.000	-2.480
		120.000	-1.1660
MACH (4) = 1.249	BETAT (4) = -2.020	X/LB	1.001
		PHI	
		110.000	-2.2560
		120.000	-2.2040
MACH (4) = 1.245	BETAT (5) = 2.070	X/LB	1.001
		PHI	
		110.000	-2.2660
		120.000	-2.2640
MACH (4) = 1.247	BETAT (6) = 4.120	X/LB	1.001
		PHI	
		110.000	-2.2800
		120.000	-2.2590
MACH (4) = 1.246	BETAT (7) = 6.160	Y/LB	1.001
		PHI	
		110.000	-3.3010
		120.000	-2.2860
MACH (4) = 1.247	BETAT (8) = 8.220	X/LB	1.000
		PHI	
		110.000	-3.3230
		120.000	-3.3190

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

(RBMM11) (28 APR 73)

AMES 11-707 1A9 02A + S3 + T9 OMS POD OUTSIDE

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
 LREF = 39.8490 INCHES YMRP = .0000 INCHES
 BREF = 39.8490 INCHES ZMRP = .0000 INCHES
 SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHAT = 0.000 ORBINC = .500
 RUDDER = .000 ELEVON = .000
 RUDFLR = .000

SECTION (1) OMS POD OUTSIDE DEPENDENT VARIABLE CP

MACH (1) = .599	BETAT (1) = -8.040	X/LB	PHI
		1.001	
		110.000	-.1960
		120.000	-.1440
MACH (1) = .597	BETAT (2) = -6.090	X/LB	PHI
		1.001	
		110.000	-.2060
		120.000	-.1570
MACH (1) = .597	BETAT (3) = -4.010	X/LB	PHI
		1.001	
		110.000	-.2070
		120.000	-.1620
MACH (1) = .599	BETAT (4) = -2.000	X/LB	PHI
		1.001	
		110.000	-.2130
		120.000	-.1700
MACH (1) = .600	BETAT (5) = .020	X/LB	PHI
		1.001	
		110.000	-.2360
		120.000	-.1840
MACH (1) = .598	BETAT (6) = 2.060	X/LB	PHI
		1.001	
		110.000	-.2510
		120.000	-.1980
MACH (1) = .597	BETAT (7) = 3.080	X/LB	PHI
		1.001	
		110.000	-.2550
		120.000	-.1970
MACH (1) = .600	BETAT (8) = 4.100	X/LB	PHI
		1.001	
		110.000	-.2640
		120.000	-.2160

(RBMH11)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 ANES 11-707 1A9 O2A + S3 + T9 OMS POD OUTSIDE

DEPENDENT VARIABLE CP

SECTION (1) OMS POD OUTSIDE

MACH (1) = .601	BETAT (9) = 6.150	X/LB	1.001
		PHI	
		110.000	-.2760
		120.000	-.2180
MACH (1) = .600	BETAT (10) = 6.190	X/LB	1.001
		PHI	
		110.000	-.2940
		120.000	-.2390
MACH (2) = .900	BETAT (1) = -6.140	X/LB	1.001
		PHI	
		110.000	-.2430
		120.000	-.1690
MACH (2) = .900	BETAT (2) = -6.080	X/LB	1.001
		PHI	
		110.000	-.2360
		120.000	-.1790
MACH (2) = .900	BETAT (3) = -4.080	X/LB	1.001
		PHI	
		110.000	-.2490
		120.000	-.1680
MACH (2) = .900	BETAT (4) = -2.080	X/LB	1.001
		PHI	
		110.000	-.2520
		120.000	-.2000
MACH (2) = .900	BETAT (5) = 2.080	X/LB	1.001
		PHI	
		110.000	-.2790
		120.000	-.2290
MACH (2) = .900	BETAT (6) = 4.190	X/LB	1.001
		PHI	
		110.000	-.2930
		120.000	-.2380
MACH (2) = .902	BETAT (7) = 6.200	X/LB	1.001
		PHI	
		110.000	-.3090
		120.000	-.2590

(RBM11)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 AWES 11-707 1A9 02A + S3 + T9 OMS POD OUTSIDE

SECTION (1) OMS P.O. OUTSIDE		DEPENDENT VARIABLE CP	
MACH (2) = .920 BETAT (8) = 8.280	X/LB	1.001	
	PHI		
	110.000	-.3220	
	120.000	-.2570	
MACH (3) = 1.103 BETAT (1) = -8.150	X/LB	1.001	
	PHI		
	110.000	-.1540	
	120.000	-.0270	
MACH (3) = 1.098 BETAT (2) = -6.110	X/LB	1.001	
	PHI		
	110.000	-.1810	
	120.000	-.0680	
MACH (3) = 1.102 BETAT (3) = -4.070	X/LB	1.001	
	PHI		
	110.000	-.1950	
	120.000	-.0730	
MACH (3) = 1.101 BETAT (4) = -2.080	X/LB	1.001	
	PHI		
	110.000	-.1930	
	120.000	-.0780	
MACH (3) = 1.101 BETAT (5) = 2.780	X/LB	1.001	
	PHI		
	110.000	-.2100	
	120.000	-.2060	
MACH (3) = 1.103 BETAT (6) = 4.150	X/LB	1.001	
	PHI		
	110.000	-.4220	
	120.000	-.4060	
MACH (3) = 1.100 BETAT (7) = 6.230	X/LB	1.001	
	PHI		
	110.000	-.4290	
	120.000	-.4210	
MACH (3) = 1.100 BETAT (8) = 8.300	X/LB	1.001	
	PHI		
	110.000	-.4290	
	120.000	-.4280	

(RBMH11)

DATE 20 SEP 70 TABULATED PRESSURE DATA - 1A8A
 AVES 11-707 1A9 02A + 53 + 79 OMS POD OUTSIDE

DEPENDENT VARIABLE CP

SECTION (1) OMS POD OUTSIDE

MACH (4) = 1.245	BETAT (1) = -8.110	X/LB	1.001
		PHI	
		110.000	-.1960
		120.000	-.1370
MACH (4) = 1.249	BETAT (2) = -6.070	X/LB	1.001
		PHI	
		110.000	-.2020
		120.000	-.2010
MACH (4) = 1.249	BETAT (3) = -4.040	X/LB	1.001
		PHI	
		110.000	-.2680
		120.000	-.2090
MACH (4) = 1.248	BETAT (4) = -2.020	X/LB	1.001
		PHI	
		110.000	-.2710
		120.000	-.2210
MACH (4) = 1.246	BETAT (5) = 2.080	X/LB	1.001
		PHI	
		110.000	-.2960
		120.000	-.2660
MACH (4) = 1.247	BETAT (6) = 4.130	X/LB	1.001
		PHI	
		110.000	-.2990
		120.000	-.2670
MACH (4) = 1.246	BETAT (7) = 6.180	X/LB	1.001
		PHI	
		110.000	-.3130
		120.000	-.2920
MACH (4) = 1.247	BETAT (8) = 8.290	X/LB	1.001
		PHI	
		110.000	-.3230
		120.000	-.3070

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9-

(RBMM12) (28 APR 73)

AVES 11-707 1A9 02A + S3 + T9 OMS POD OUTSIDE

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0000 SCALE

PARAMETRIC DATA

ALPHAT = -8.000 ORBINC = .500
RUDDER = -5.000 ELEVON = .000
RUDFLR = .000

DEPENDENT VARIABLE CP

SECTION (1) OMS POD OUTSIDE

MACH (1) = 1.101 BETAT (1) = -8.170

X/LB 1.001
PHI 110.000
120.000 -.1770
120.000 -.0400

MACH (1) = 1.100 BETAT (2) = -4.070

X/LB 1.001
PHI 110.000
120.000 -.2460
120.000 -.1510

MACH (1) = 1.097 BETAT (3) = .020

X/LB 1.001
PHI 110.000
120.000 -.3080
120.000 -.2430

MACH (1) = 1.099 BETAT (4) = 4.160

X/LB 1.001
PHI 110.000
120.000 -.3580
120.000 -.3080

MACH (1) = 1.105 BETAT (5) = 8.200

Y/LB 1.001
PHI 110.000
120.000 -.3860
120.000 -.3600

MACH (2) = 1.250 BETAT (1) = -8.120

X/LB 1.021
PHI 110.000
120.000 -.0940
120.000 .0200

MACH (2) = 1.251 BETAT (2) = -4.080

X/LB 1.001
PHI 110.000
120.000 -.1330
120.000 -.0630

MACH (2) = 1.246 BETAT (3) = .020

X/LB 1.001
PHI 110.000
120.000 -.1800
120.000 -.1200

(RBM-112)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 ANES 11-707 1A9 02A + S3 + T9 OMS POD OUTSIDE

SECTION (1) OMS POD OUTSIDE DEPENDENT VARIABLE CP

MACH (2) = 1.245	BETAT (4) = 4.130	X/LB	1.001
		PHI	
		110.000	-.2340
		120.000	-.1860
MACH (2) = 1.247	BETAT (5) = 6.250	X/LB	1.001
		PHI	
		110.000	-.2810
		120.000	-.2510

(REMARKS) (28 APR 75)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
AVES 11-707 1A9 02A + S3 + T9 OHS POD OUTSIDE

PARAMETRIC DATA

ALPHAT = -6.000 ORBTNC = .500
RUDDER = -3.000 ELEVON = .000
RUOFLR = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .03937 SCALE

SECTION (1) OHS POD OUTSIDE DEPENDENT VARIABLE CP

MACH (1) = 1.102	BETAT (1) = -8.180	X/LB	PHI
		1.001	
		110.000	-.1580
		120.000	-.0320
MACH (1) = 1.098	BETAT (2) = -4.080	X/LB	PHI
		1.001	
		110.000	-.2600
		120.000	-.1790
MACH (1) = 1.101	BETAT (3) = .020	X/LB	PHI
		1.001	
		110.000	-.3180
		120.000	-.2530
MACH (1) = 1.097	BETAT (4) = 4.140	X/LB	PHI
		1.001	
		110.000	-.3680
		120.000	-.3240
MACH (1) = 1.102	BETAT (5) = 8.290	X/LB	PHI
		1.001	
		110.000	-.3790
		120.000	-.3610
MACH (2) = 1.245	BETAT (1) = -8.130	X/LB	PHI
		1.001	
		110.000	-.1210
		120.000	-.0200
MACH (2) = 1.251	BETAT (2) = -4.060	X/LB	PHI
		1.001	
		110.000	-.1510
		120.000	-.0800
MACH (2) = 1.246	BETAT (3) = .020	X/LB	PHI
		1.001	
		110.000	-.1990
		120.000	-.1330

DATE 24 SEP 73

AMES 11-707 1A9 Q2A ♦ S3 ♦ T9 QMS POD OUTSIDE

DEPENDENT VARIABLE CP

SECTION (1) ONE FOOT OUTSIDE

$\text{MACH} (2) = 1.245 \quad \text{DETAT} (4) = 4.120$

X/L9	1.001
PHI	
110.000	-2.260
120.000	-.1760

$$\text{MACH} (2) = 1.247 \quad \text{DETAT} (5) = 8.233$$

X/LB	1.001
FMI	
110.000	- .2010
120.000	- .2390

(RBMM14) (28 APR 73)

DATE 20 SEP 73 TABULATED PRESSURE DATA - IASA
ANES 11-707 1A9 02A + S3 + T9 OMS POD OUTSIDE

PARAMETRIC DATA
ALPHAT = -4.000 ORBINC = .500
RUDDER = -5.000 ELEVON = .000
RUFLR = .000

REFERENCE DATA

SSEP = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

DEPENDENT VARIABLE CP

SECTION (1) OMS POD OUTSIDE	SECTION (1) OMS POD OUTSIDE	SECTION (1) OMS POD OUTSIDE
MACH (1) = 1.098 BETAT (1) = -8.190	X/LB 1.001	PHI 110.000 -1.140
		120.000 -1.110
MACH (1) = 1.101 BETAT (2) = -4.080	X/LB 1.001	PHI 110.000 -2.820
		120.000 -1.890
MACH (1) = 1.099 BETAT (3) = .020	X/LB 1.001	PHI 110.000 -3.190
		120.000 -2.560
MACH (1) = 1.103 BETAT (4) = 4.130	X/LB 1.001	PHI 110.000 -3.620
		120.000 -3.250
MACH (1) = 1.099 BETAT (5) = 6.260	X/LB 1.001	PHI 110.000 -3.760
		120.000 -3.610
MACH (2) = 1.246 BETAT (1) = -8.140	X/LB 1.001	PHI 110.000 -3.410
		120.000 -3.040
MACH (2) = 1.244 BETAT (2) = -4.060	X/LB 1.001	PHI 110.000 -3.170
		120.000 -2.940
MACH (2) = 1.247 BETAT (3) = .020	X/LB 1.001	PHI 110.000 -2.180
		120.000 -1.170

(RDMH14)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 ANES 11-707 1A9 CEA + S3 + T9 CMS POD OUTSIDE

SECTION (1) CMS POD OUTSIDE DEPENDENT VARIABLE CP

MACH (2) = 1.245	BETAT (4) = 4.110	X/LB	1.001
		PHI	
		110.000	-.2340
		120.000	-.1720
MACH (2) = 1.250	BETAT (5) = 0.210	X/LB	1.001
		PHI	
		110.000	-.2860
		120.000	-.2500

TABULATED PRESSURE DATA - 1A9A

DATE 20 SEP 73

AVES 11-707 1A9 02A + S3 + T9 OMS POD OUTSIDE

(RBM415) (20 APR 73)

PARAMETRIC DATA

ALPHAT = -2.000 ORBINC = .500
RUDDER = -5.000 ELEVON = .000
RUOFLR = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.6490 INCHES YMRP = .0000 INCHES
BREF = 39.6490 INCHES ZMRP = .0000 INCHES
SCALE = .0000 SCALE

DEPENDENT VARIABLE CP

SECTION (1) OMS POD OUTSIDE

MACH (1) = 1.101	BETAT (1) = -8.200	X/LB	PHI
		110.000	-.2370
		120.000	-.1440
MACH (1) = 1.101	BETAT (2) = -4.080	X/LB	PHI
		110.000	-.3020
		120.000	-.2080
MACH (1) = 1.103	BETAT (3) = .090	X/LB	PHI
		110.000	-.3290
		120.000	-.2620
MACH (1) = 1.097	BETAT (4) = 4.140	X/LB	PHI
		110.000	-.3790
		120.000	-.3370
MACH (1) = 1.100	BETAT (5) = 8.290	X/LB	PHI
		110.000	-.3800
		120.000	-.3690
MACH (2) = 1.245	BETAT (1) = -8.150	X/LB	PHI
		110.000	-.1530
		120.000	-.0570
MACH (2) = 1.249	BETAT (2) = -4.070	X/LB	PHI
		110.000	-.1690
		120.000	-.1130
MACH (2) = 1.247	BETAT (3) = .020	X/LB	PHI
		110.000	-.2240
		120.000	-.1670

(REMARKS)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 AWES 11-707 1A9 02A + S3 + T9 CMS POD OUTSIDE

SECTION (1) CMS POD OUTSIDE DEPENDENT VARIABLE CP

MACH (2) = 1.247 BETAT (4) = 4.110	
	X/LB 1.000
	PHI
	110.000 -.2480
	120.000 -.2500
MACH (2) = 1.246 BETAT (5) = 8.200	
	X/LB 1.000
	PHI
	110.000 -.2670
	120.000 -.2590

DATE 20 SEP
TABULATED PRESSURE DATA - 1A9A
AMES 11-707 1A9 02A + S3 + T9 OMS FOD OUTSIDE

PARAMETRIC DATA

ALPHAT = .020
RUBBER = -5.000
R.D.FLR = .020
ORBINIC = .500
ELEVON = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

SECTION (1) OMS FOD OUTSIDE		DEPENDENT VARIABLE CP	
MACH (1) = 1.103	BETAT (1) = -8.210	X/LB	1.001
		PHI	
		110.000	-2.490
		120.000	-1.470
MACH (1) = 1.098	BETAT (2) = -4.080	X/LB	1.001
		PHI	
		110.000	-3.140
		120.000	-2.140
MACH (1) = 1.100	BETAT (3) = .020	X/LB	1.001
		PHI	
		110.000	-3.340
		120.000	-2.710
MACH (1) = 1.100	BETAT (4) = 4.130	X/LB	1.001
		PHI	
		110.000	-3.790
		120.000	-3.300
MACH (1) = 1.099	BETAT (5) = 8.250	X/LB	1.001
		PHI	
		110.000	-3.910
		120.000	-3.660
MACH (2) = 1.247	BETAT (1) = -8.150	X/LB	1.001
		PHI	
		110.000	-1.780
		120.000	-1.680
MACH (2) = 1.249	BETAT (2) = -4.070	X/LB	1.001
		PHI	
		110.000	-2.080
		120.000	-1.170
MACH (2) = 1.247	BETAT (3) = .020	X/LB	1.001
		PHI	
		110.000	-2.460
		120.000	-1.190

121415

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 AMES 11-707 1A9 02A + S3 + T9 CWS POD OUTSIDE

SECTION (1) CWS POD OUTSIDE DEPENDENT VARIABLE CP

MACH (2) = 1.244	BETAT (4) = 4.110	X/LB	1.001
		PHI	
		110.000	-.2610
		120.000	-.2190
MACH (2) = 1.244	BETAT (5) = 8.200	X/LB	1.001
		PHI	
		110.000	-.3130
		120.000	-.2860

TABLED PRESSURE DATA - 1A9A

DATE 20 SEP 1977 AMES 11-707 1A9 02A + S3 + T9 OMS POD OUTSIDE

(EBM17) (28 APR 75)

PARAMETRIC DATA

ALPHAT = 2.000 ORBINC = .500
 RUDDER = -5.000 ELEVON = .000
 RUDFLR = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XREF = 28.5300 INCHES
 LREF = 39.8490 INCHES YREF = .0200 INCHES
 BREF = 31.8490 INCHES ZREF = .0000 INCHES
 SCALE = .0000 SCALE

SECTION (1) OMS POD OUTSIDE DEPENDENT VARIABLE CP

MACH (1) = 1.102	BETAT (1) = -8.200	X/LB	1.001
		PHI	
		110.000	-.2750
		120.000	-.1730
MACH (1) = 1.098	BETAT (2) = -4.090	X/LB	1.001
		PHI	
		110.000	-.3800
		120.000	-.2340
MACH (1) = 1.102	BETAT (3) = .020	X/LB	1.001
		PHI	
		110.000	-.2550
		120.000	-.2950
MACH (2) = 1.100	BETAT (4) = 4.130	X/LB	1.001
		PHI	
		110.000	-.3850
		120.000	-.3480
MACH (1) = 1.099	BETAT (5) = 8.250	X/LB	1.001
		PHI	
		110.000	-.3940
		120.000	-.3850
MACH (2) = 1.044	BETAT (1) = -8.150	X/LB	1.001
		PHI	
		110.000	-.2030
		120.000	-.0970
MACH (2) = 1.251	BETAT (2) = -4.060	X/LB	1.001
		PHI	
		110.000	-.2220
		120.000	-.1460
MACH (2) = 1.248	BETAT (3) = .020	X/LB	1.001
		PHI	
		110.000	-.2570
		120.000	-.2180

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

(RBM117)

AMES 11-707 1A9 O2A + S3 + T9 OMS POD OUTSIDE

DEPENDENT VARIABLE CP

SECTION (1) OMS POD OUTSIDE

MACH (2) = 1.244 BETAT (4) = 4.100
X/LB 1.001
PHI 110.000 - .2760
120.000 - .2440

MACH (2) = 1.245 BETAT (5) = 8.200

X/LB 1.001
PHI 110.000 - .3100
120.000 - .3120

(RBMH18) (28 APR 73)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
AMES 11-707 1A9 02A + S3 + 79 OMS POD OUTSIDE

PARAMETRIC DATA

ALPHAT = 4.000 ORBINC = .500
RUDDER = -5.000 ELEVON = .000
RUOFLR = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

DEPENDENT VARIABLE CP

SECTION (1) OMS POD OUTSIDE

MACH (1) = 1.101	BETAT (1) = -8.200	X/LB	1.001
		PHI	
		110.000	-.1030
		120.000	.0290
MACH (1) = 1.099	BETAT (2) = -4.080	X/LB	1.001
		PHI	
		110.000	-.3390
		120.000	-.2570
MACH (1) = 1.098	BETAT (3) = .020	X/LB	1.001
		PHI	
		110.000	-.3640
		120.000	-.2960
MACH (1) = 1.100	BETAT (4) = 4.130	X/LB	1.001
		PHI	
		110.000	-.4020
		120.000	-.3570
MACH (1) = 1.095	BETAT (5) = 8.260	X/LB	1.001
		PHI	
		110.000	-.4130
		120.000	-.3930
MACH (2) = 1.244	BETAT (1) = -8.140	X/LB	1.001
		PHI	
		110.000	-.2420
		120.000	-.1260
MACH (2) = 1.244	BETAT (2) = -4.060	X/LB	1.001
		PHI	
		110.000	-.2520
		120.000	-.1730
MACH (2) = 1.247	BETAT (3) = .020	X/LB	1.001
		PHI	
		110.000	-.2620
		120.000	-.2310

(REMARKS)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1ASA
 AVES 11-707 1A9 OCA + S3 + T9 OMS POD OUTSIDE

SECTION (1) OMS POD OUTSIDE DEPENDENT VARIABLE CP

MACH (2) = 1.249 BETAT (4) = 4.120	X/LB	1.001
	PHI	
	110.000 -.2900	
	120.000 -.2530	
MACH (2) = 1.245 BETAT (5) = 6.210	X/LB	1.001
	PHI	
	110.000 -.3340	
	120.000 -.3130	

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A

(RBH#19) (28 APR 73)

AVES 11-707 1A9 CBA + S3 + T9 OMS POD OUTSIDE

REFERENCE DATA

SREF = 2.4210 SQ.FT. XWRP = 28.5300 INCHES
 LREF = 39.8490 INCHES YWRP = .0000 INCHES
 BREF = 39.8490 INCHES ZWRP = .0000 INCHES
 SCALE = .0300 SCALE

SECTION (1) OMS POD OUTSIDE

DEPENDENT VARIABLE CP

MACH (1) = 1.101 BETAT (1) = -8.180

X/LB 1.001
 PHI 110.000
 120.000 -0.1920
 120.000 -0.0210

MACH (2) = 1.098 BETAT (2) = -4.080

X/LB 1.001
 PHI 110.000
 120.000 -0.1260
 120.000 -0.0270

MACH (3) = 1.101 BETAT (3) = .020

X/LB 1.001
 PHI 110.000
 120.000 -0.3510
 120.000 -0.3140

MACH (4) = 1.103 BETAT (4) = 4.150

X/LB 1.001
 PHI 110.000
 120.000 -0.4000
 120.000 -0.3790

MACH (5) = 1.105 BETAT (5) = 8.280

X/LB 1.001
 PHI 110.000
 120.000 -0.4110
 120.000 -0.4110

MACH (6) = 1.248 BETAT (1) = -8.120

X/LB 1.001
 PHI 110.000
 120.000 -0.2480
 120.000 -0.1630

MACH (2) = 1.230 BETAT (2) = -4.050

X/LB 1.001
 PHI 110.000
 120.000 -0.2580
 120.000 -0.1980

MACH (2) = 1.247 BETAT (3) = .010

X/LB 1.001
 PHI 110.000
 120.000 -0.2860
 120.000 -0.2430

PARAMETRIC DATA

ALPHAT = 6.000 OEBINC = .500
 RUDDER = -5.000 ELEVON = .000
 RUDFLR = .000

(RBMH19)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A8A
 AXES 11-707 1A9 CEA + S3 + T9 CWS POD OUTSIDE

SECTION (1) CWS POD OUTSIDE DEPENDENT VARIABLE CP

MACH (2) = 1.245	BETAT (4) = 4.120	X/LB	1.001
		PHI	
		110.000	-.2910
		120.000	-.2740
MACH (2) = 1.244	BETAT (5) = 0.230	X/LB	1.001
		PHI	
		110.000	-.3320
		120.000	-.3260

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 ANES 11-707 1A9 OZA + S3 + T9 OMS POD OUTSIDE

(RDMED) (28 APR 73)

PARAMETRIC DATA

ALPHAT = 8.000 ORBINC = .500
 RUDDER = -5.000 ELEVON = .000
 RUFLR = .000

REFERENCE DATA

SREF = 2.4210 94.FT. XGRP = 28.5300 INCHES
 LREF = 39.8490 INCHES YGRP = .0000 INCHES
 BREF = 39.8490 INCHES ZGRP = .0000 INCHES
 SCALE = .0300 SCALE

DEPENDENT VARIABLE CP

SECTION (1) OMS POD OUTSIDE

MACH (1) = 1.101	BETAT (1) = -8.160	X/LB	PHI	1.001
		110.000		-.1670
		120.000		-.0280
MACH (1) = 1.101	BETAT (2) = -4.070	X/LB	PHI	1.001
		110.000		-.1980
		120.000		-.0720
MACH (1) = 1.099	BETAT (3) = .020	X/LB	PHI	1.001
		110.000		-.1910
		120.000		-.0740
MACH (1) = 1.100	BETAT (4) = 4.160	X/LB	PHI	1.001
		110.000		-.4180
		120.000		-.3940
MACH (1) = 1.099	BETAT (5) = 6.300	X/LB	PHI	1.001
		110.000		-.4320
		120.000		-.4210
MACH (2) = 1.246	BETAT (1) = -8.110	X/LB	PHI	1.001
		110.000		-.2400
		120.000		-.1670
MACH (2) = 1.246	BETAT (2) = -4.040	X/LB	PHI	1.001
		110.000		-.2820
		120.000		-.2140
MACH (2) = 1.245	BETAT (3) = .010	X/LB	PHI	1.001
		110.000		-.3090
		120.000		-.2520

(REMARKED)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1ASA
 AVES 11-707 1A9 CEA + S9 + T9 OMS POD OUTSIDE

SECTION (1) OMS POD OUTSIDE DEPENDENT VARIABLE CP

MACH (2) = 1.245	BETAT (4) = 4.130	X/LB	1.001
		PHI	
		110.000	-.3180
		120.000	-.2730
MACH (2) = 1.245	BETAT (5) = 7.210	X/LB	1.001
		PHI	
		110.000	-.3430
		120.000	-.3100

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A

AVES 11-707 1A9 OEA + S3 + T9 OMS POD OUTSIDE

(R89421) (28 APR 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XGRP = 28.5300 INCHES
 LREF = 39.8490 INCHES YGRP = .0000 INCHES
 BREF = 39.8490 INCHES ZGRP = .0000 INCHES
 SCALE = .0300 SCALE

DEPENDENT VARIABLE CP

SECTION (1) OMS POD OUTSIDE

MACH (1) = 1.100 BETAT (1) = -0.170
 X/LB 1.001
 PHI 110.000
 120.000 -0.1800
 120.000 -0.0410

MACH (1) = 1.104 BETAT (2) = -0.060
 X/LB 1.001
 PHI 110.000
 120.000 -0.2510
 120.000 -0.1590

MACH (1) = 1.099 BETAT (3) = .020
 X/LB 1.001
 PHI 110.000
 120.000 -0.3070
 120.000 -0.2480

MACH (1) = 1.101 BETAT (4) = 4.150
 X/LB 1.001
 PHI 110.000
 120.000 -0.3550
 120.000 -0.5170

MACH (1) = 1.100 BETAT (5) = 8.300
 X/LB 1.001
 PHI 110.000
 120.000 -0.3990
 120.000 -0.3570

MACH (2) = 1.245 BETAT (1) = -0.120
 X/LB 1.001
 PHI 110.000
 120.000 -0.0920
 120.000 .0030

MACH (2) = 1.232 BETAT (2) = -0.090
 X/LB 1.001
 PHI 110.000
 120.000 -0.1270
 120.000 -0.0630

MACH (2) = 1.230 BETAT (3) = .020
 X/LB 1.001
 PHI 110.000
 120.000 -0.1760
 120.000 -0.1270

PARAMETRIC DATA

ALPHAT = -8.000 ORBINC = .500
 RUDDER = -10.000 ELEVON = .070
 RUDDLR = .000

(R34921)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 AVES 11-707 1A9 OCA + S3 + T9 OMS PCD OUTSIDE

SECTION (1) OMS PCD OUTSIDE DEPENDENT VARIABLE CP

MACH (2) = 1.246 BETAT (4) = 4.130	X/LB	1.001
	PHI	
	110.000	-.8280
	120.000	-.1910
MACH (2) = 1.247 BETAT (5) = 8.260	X/LB	1.001
	PHI	
	110.000	-.8090
	120.000	-.2590

DATE 24 SEP 73 (RBNW22) (28 APR 73)

TABULATED PRESSURE DATA - 1A9A

AVES 11-707 1A9 02A + S3 + T9 OMS POD OUTSIDE

PARAMETRIC DATA

ALPHAT = -6.000 ORBINC = .500
 RUDDER = -10.000 ELEVON = .000
 RUDFLR = .000

REFERENCE DATA

REF = 2.4210 94.0 FT. XGRP = 28.5300 INCHES
 LREF = 39.8490 INCHES YGRP = .0000 INCHES
 BREF = 39.8490 INCHES ZGRP = .0000 INCHES
 SCALE = .0300 SCALE

SECTION (1) OMS POD OUTSIDE DEPENDENT VARIABLE CP

MACH (1) = 1.101	BETAT (1) = -8.190	X/LB	PHI	1.001
		110.000	-1.630	
		120.000	-0.900	
MACH (1) = 1.097	BETAT (2) = -4.080	X/LB	PHI	1.001
		110.000	-2.630	
		120.000	-1.140	
MACH (1) = 1.096	BETAT (3) = .020	X/LB	PHI	1.001
		110.000	-3.210	
		120.000	-2.530	
MACH (1) = 1.100	BETAT (4) = 4.140	X/LB	PHI	1.001
		110.000	-3.730	
		120.000	-3.180	
MACH (1) = 1.099	BETAT (5) = 8.280	X/LB	PHI	1.001
		110.000	-3.960	
		120.000	-3.590	
MACH (2) = 1.247	BETAT (1) = -8.140	X/LB	PHI	1.001
		110.000	-1.130	
		120.000	-0.180	
MACH (2) = 1.247	BETAT (2) = -4.060	X/LB	PHI	1.001
		110.000	-1.180	
		120.000	-0.820	
MACH (2) = 1.290	BETAT (3) = .020	X/LB	PHI	1.001
		110.000	-1.190	
		120.000	-1.110	

(RBN#22)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 02A + 93 + T9 OMS POD OUTSIDE

SECTION (1) OMS POD OUTSIDE

MACH (2) = 1.250 BETAT (4) = 4.120

DEPENDENT VARIABLE CP
X/LB 1.001
PHI
110.000 -.2350
120.000 -.1990

MACH (2) = 1.249 BETAT (5) = 6.230

X/LB 1.001
PHI
110.000 -.2680
120.000 -.2480

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A

(RBM423) (28 APR 73)

AMES 11-707 1A9 22A + S3 + T9 OMS POD OUTSIDE

PARAMETRIC DATA

ALPHAT = -4.000 ORBINC = .550
RUDPER = -10.000 ELEVON = .000
RUDFLR = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

DEPENDENT VARIABLE CP

SECTION (1) OMS POD OUTSIDE

MACH (1) = 1.099 BETAT (1) = -3.200
X/LB 1.001
PHI
110.000 -.1390
120.000 -.1070

MACH (1) = 1.097 BETAT (2) = -4.090
X/LB 1.001
PHI
110.000 -.2860
120.000 -.1890

MACH (1) = 1.101 BETAT (3) = .020
X/LB 1.001
PHI
110.000 -.3260
120.000 -.2580

MACH (1) = 1.102 BETAT (4) = 4.140
X/LB 1.001
PHI
110.000 -.3670
120.000 -.3260

MACH (1) = 1.098 BETAT (5) = 8.260
X/LB 1.001
PHI
110.000 -.3680
120.000 -.3570

MACH (2) = 1.248 BETAT (1) = -8.190
X/LB 1.001
PHI
110.000 -.1310
120.000 -.0360

MACH (2) = 1.249 BETAT (2) = -4.060
X/LB 1.001
PHI
110.000 -.1610
120.000 -.1930

MACH (2) = 1.248 BETAT (3) = .010
X/LB 1.001
PHI
110.000 -.2100
120.000 -.1580

(RBM#23)

DATE 20 SEP 75 TABULATED PRESSURE DATA - 1A9A
 AVES 11-707 1A9 OEA + S3 + T9 OMS POD OUTSIDE

SECTION (11OMS POD OUTSIDE	DEPENDENT VARIABLE CP
MACH (2) = 1.247 BETAT (4) = 4.120	X/LB 1.001
	PHI
	110.000 -.2270
	120.000 -.1770
MACH (2) = 1.246 BETAT (5) = 6.210	X/LB 1.001
	PHI
	110.000 -.2620
	120.000 -.2570

(RBM#24) (28 APR 73)

DATE 21 SEP 73
CALCULATED PRESSURE DATA - 1A9A
AVES 11-707 1A9 OEA + S3 + T9 OMS POD OUTSIDE

PARAMETRIC DATA
ALPHAT = -2.0000 ORBINC = .5000
RUDDER = -10.0000 ELEVON = .0000
RUSSLR = .0000

REFERENCE DATA

STEP = 2.4210 30.0 FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0006 SCALE

DEPENDENT VARIABLE CP

SECTION (1) OMS POD OUTSIDE

MACH (1) = 1.100 BETAT (1) = -8.200
X/LB 1.001
PHI 110.000
120.000 -2390
120.000 -1470

MACH (1) = 1.098 BETAT (2) = -4.090
X/LB 1.001
PHI 110.000
120.000 -3090
120.000 -2090

MACH (1) = 1.096 BETAT (3) = .000
X/LB 1.001
PHI 110.000
120.000 -3340
120.000 -2660

MACH (1) = 1.097 BETAT (4) = 4.130
X/LB 1.001
PHI 110.000
120.000 -3790
120.000 -3390

MACH (1) = 1.101 BETAT (5) = 8.250
X/LB 1.001
PHI 110.000
120.000 -3940
120.000 -3730

MACH (1) = 1.246 BETAT (1) = -8.150
X/LB 1.101
PHI 110.000
120.000 -1540
120.000 -1680

MACH (2) = 1.249 BETAT (2) = -4.070
X/LB 1.001
PHI 110.000
120.000 -1880
120.000 -1090

MACH (2) = 1.279 BETAT (3) = .020
X/LB 1.001
PHI 110.000
120.000 -2240
120.000 -1770

TABULATED PRESSURE DATA - 1ASA

AMES 11-707 1A9 02A + S3 + T9 CMS PCD OUTSIDE

(RBW424)

DATE 20 SEP 70

DEPENDENT VARIABLE CP

SECTION (1) CMS PCD OUTSIDE

MACH (2) = 1.249 BETAT (4) = 4.110

X/LB	PHI	1.001
110.000	-.2510	
120.000	-.2060	

MACH (2) = 1.248 BETAT (5) = 8.200

X/LB	PHI	1.001
110.000	-.2650	
120.000	-.2670	

(KSNM25) (28 APR 73)

DATE 27 SEP 73 TABULATED PRESSURE DATA - 1A9A
 AVE 13-707 1A9 02A + S3 + T9 OMS POD OUTSIDE

PARAMETRIC DATA

ALPHAT = .000 ORBINC = .500
 RUDDER = -10.000 ELEVON = .000
 RUDFLR = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
 LREF = 39.8490 INCHES YMRP = .0000 INCHES
 BREF = 39.8490 INCHES ZMRP = .0000 INCHES
 SCALE = .0300 SCALE

SECTION (1) OMS POD OUTSIDE DEPENDENT VARIABLE CP

MACH (1) = 1.098	BETAT (1) = -8.200	X/LB	1.001
		PHI	
		110.000	-.2660
		120.000	-.1640
MACH (1) = 1.095	BETAT (2) = -4.090	X/LB	1.001
		PHI	
		110.000	-.3110
		120.000	-.2200
MACH (1) = 1.099	BETAT (3) = .020	X/LB	1.001
		PHI	
		110.000	-.3480
		120.000	-.2840
MACH (1) = 1.100	BETAT (4) = 4.130	X/LB	1.001
		PHI	
		110.000	-.3690
		120.000	-.3390
MACH (1) = 1.096	BETAT (5) = 8.290	X/LB	1.001
		PHI	
		110.000	-.4020
		120.000	-.3690
MACH (2) = 1.246	BETAT (1) = -8.160	X/LB	1.001
		PHI	
		110.000	-.1670
		120.000	-.0750
MACH (2) = 1.246	BETAT (2) = -4.070	X/LB	1.001
		PHI	
		110.000	-.2030
		120.000	-.1220
MACH (2) = 1.249	BETAT (3) = .020	X/LB	1.001
		PHI	
		110.000	-.2370
		120.000	-.1690

(RBN#25)

DATE 10 SEP 73 TABULATED PRESSURE DATA - 1ASA
 ASES 11-707 1AS CEA + 85 + 79 OMS POD OUTSIDE

DEPENDENT VARIABLE CP

SECTION (1) OMS POD OUTSIDE		
WAC (2) = 1.251 METAT (4) = 4.110	X/LB	1.001
	PHI	
	110.000	-.2500
	120.000	-.2170
WAC (2) = 1.248 METAT (5) = 8.200	X/LB	1.001
	PHI	
	110.000	-.2920
	120.000	-.2670

(R04W23) (28 APR 73)

DATE 41 SEP 73 TABULATED PRESSURE DATA - 1A9A
AMES 11-707 1A9 02A + S3 + T9 OWS POD OUTSIDE

PARAMETRIC DATA

ALPHAT = 2.050 ORBINC = .500
RUDDER = -10.500 ELEVON = .000
RUDFLR = .000

REFERENCE DATA

SWTP = 2.4210 50.FT. XGRP = 28.3300 INCHES
LWTP = 39.6490 INCHES YGRP = .0000 INCHES
SWLP = 39.6490 INCHES ZGRP = .0000 INCHES
SCALE = .0000 SCALE

SECTION (1) OWS POD OUTSIDE DEPENDENT VARIABLE CP

MACH (1) = 1.099 BETAT (1) = -8.210
X/LB 1.001
PHI 110.000 -2880
120.000 -1720

MACH (1) = 1.099 BETAT (2) = -4.080
X/LB 1.001
PHI 110.000 -3180
120.000 -2320

MACH (1) = 1.100 BETAT (3) = .020
X/LB 1.001
PHI 110.000 -3600
120.000 -2880

MACH (1) = 1.101 BETAT (4) = 4.130
X/LB 1.001
PHI 110.000 -3020
120.000 -2480

MACH (1) = 1.098 BETAT (5) = 8.280
X/LB 1.001
PHI 110.000 -3990
120.000 -3870

MACH (2) = 1.247 BETAT (1) = -8.160
X/LB 1.001
PHI 110.000 -2090
120.000 -1010

MACH (2) = 1.250 BETAT (2) = -4.070
X/LB 1.001
PHI 110.000 -2240
120.000 -1490

MACH (2) = 1.248 BETAT (3) = .020
X/LB 1.001
PHI 110.000 -2610
120.000 -2140

(REMARKS)

DATE 20 SEP 75 TABULATED PRESSURE DATA - 1A9A
 AREA 11-707 1A9 CEA + 85 + 79 ONE POD OUTSIDE

DEPENDENT VARIABLE CP

SECTION (1) ONE POD OUTSIDE

MACH (2) = 1.246 BETAT (4) = 4.100
 X/LB 1.004
 PHI -2700
 110.000 -2470
 120.000 -2470

MACH (2) = 1.247 BETAT (5) = 8.200
 X/LB 1.004
 PHI -3120
 110.000 -3120
 120.000 -3120

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

(RDM27) (28 APR 73)

AXES 11-707 1A9 02A + S3 + T9 OMS POD OUTSIDE

PARAMETRIC DATA

ALPHAT = 4.000 ORGINC = .500
 RUDDER = -10.000 ELEVON = .000
 RUFLR = .000

REFERENCE DATA

REF = 2.4210 88.FT. XPRP = 28.5300 INCHES
 LRP = 39.8490 INCHES YPRP = .0000 INCHES
 BRP = 39.8490 INCHES ZPRP = .0000 INCHES
 SCALE = .0300 SCALE

DEPENDENT VARIABLE CP

SECTION (1) OMS POD OUTSIDE

MACH (1) = 1.097	BETAT (1) = -8.200	X/LB	PHI
		110.000	-1.050
		120.000	.0240

MACH (1) = 1.099	BETAT (2) = -4.090	X/LB	PHI
		110.000	-.2610
		120.000	-.2480

MACH (1) = 1.100	BETAT (3) = .080	X/LB	PHI
		110.000	-.3560
		120.000	-.3040

MACH (1) = 1.099	BETAT (4) = 4.140	X/LB	PHI
		110.000	-.3910
		120.000	-.3680

MACH (1) = 1.101	BETAT (5) = 9.260	X/LB	PHI
		110.000	-.4070
		120.000	-.3970

MACH (2) = 1.249	BETAT (1) = -8.150	X/LB	PHI
		110.000	-.2300
		120.000	-.1280

MACH (2) = 1.247	BETAT (2) = -4.060	X/LB	PHI
		110.000	-.2430
		120.000	-.1750

MACH (2) = 1.249	BETAT (3) = .520	X/LB	PHI
		110.000	-.2740
		120.000	-.2290

(384427)

TABLED PRESSURE DATA - IASA
 ANES 11-707 IAS OBA + S3 + T9 OMS POD OUTSIDE

SEP 73

DEPENDENT VARIABLE CP

POD OUTSIDE

POD (2) = 1.231	BETAT (4) = 4.110	X/LB	1.001
		PHI	
		110.000	-.2690
		120.000	-.2610
POD (2) = 1.246	BETAT (5) = 6.210	X/LB	1.001
		PHI	
		110.000	-.3220
		120.000	-.3220

(RBNM28) (28 APR 75)

DATE 21 SEP 75 TABULATED PRESSURE DATA - 1A9A
AVES 11-707 1A9 02A + S3 + T9 OMS POD OUTSIDE

PARAMETRIC DATA

ALPHAT = 6.000 ORBINC = .500
RUDDER = -10.000 ELEVON = .000
RUOFLR = .000

REFERENCE DATA

BREF = 2.4210 30.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
PCALE = .0000 SCALE

DEPENDENT VARIABLE CP

SECTION (1) OMS POD OUTSIDE

MACH (1) = 1.099 BETAT (1) = -8.190
X/LB 1.001
PHI
110.000 -.1430
120.000 -.0220

MACH (1) = 1.099 BETAT (2) = -4.080
X/LB 1.001
PHI
110.000 -.1320
120.000 -.0120

MACH (1) = 1.099 BETAT (3) = .020
X/LB 1.001
PHI
110.000 -.3680
120.000 -.3240

MACH (1) = 1.302 BETAT (4) = 4.190
X/LB 1.001
PHI
110.000 -.4090
120.000 -.3850

MACH (1) = 1.099 BETAT (5) = 8.260
X/LB 1.001
PHI
110.000 -.4290
120.000 -.4210

MACH (2) = 1.248 BETAT (1) = -8.190
X/LB 1.001
PHI
110.000 -.2500
120.000 -.1650

MACH (2) = 1.251 BETAT (2) = -4.080
X/LB 1.001
PHI
110.000 -.2600
120.000 -.1960

MACH (2) = 1.249 BETAT (3) = .010
X/LB 1.001
PHI
110.000 -.2640
120.000 -.2440

(REMARKS)

DATE 20 SEP 73 TABULATED PRESSURE DATA - IASA
 ARES 11-707 1A9 02A + S3 + T9 OMS PCD OUTSIDE

DEPENDENT VARIABLE CP

SECTION (1) OMS PCD OUTSIDE

MACH (2) = 1.245 BETAT (4) = 4.120
 X/LB 1.001
 PHI 110.000 -0.2570
 120.000 -0.2710

MACH (2) = 1.245 BETAT (5) = 0.230

X/LB 1.001
 PHI 110.000 -0.3370
 120.000 -0.3270

(RBHMC9) (28 APR 73)

TABULATED PRESSURE DATA - 1A9A

AVES 11-707 1A9 02A + S3 + T9 OMS POD OUTSIDE

PARAMETRIC DATA

ALPHAT = 8.000 ORBINC = .500
RUDDER = -10.000 ELEVON = .000
RUFLR = .000

REFERENCE DATA

SREF - 2.4210 SQ.FT. XMRP = 28.3300 INCHES
LREF - 39.8490 INCHES YMRP = .0000 INCHES
BREF - 39.8490 INCHES ZMRP = .0000 INCHES
SCALE - .0300 SCALE

DEPENDENT VARIABLE CP

SECTION (1) OMS POD OUTSIDE

MACH (1) = 1.098 BETAT (1) = -8.160
X/LB 1.001
PHI
110.000 -.1650
120.000 -.0400

MACH (1) = 1.098 BETAT (2) = -4.070
X/LB 1.071
PHI
110.000 -.1990
120.000 -.0760

MACH (1) = 1.098 BETAT (3) = .020
X/LB 1.001
PHI
110.000 -.1650
120.000 -.0870

MACH (1) = 1.098 BETAT (4) = 4.150
X/LB 1.001
PHI
110.000 -.4040
120.000 -.4070

MACH (1) = 1.098 BETAT (5) = 8.310
X/LB 1.001
PHI
110.000 -.4370
120.000 -.4290

MACH (2) = 1.247 BETAT (1) = -8.100
X/LB 1.001
PHI
110.000 -.2240
120.000 -.1920

MACH (2) = 1.249 BETAT (2) = -4.040
X/LB 1.001
PHI
110.000 -.2810
120.000 -.2190

MACH (2) = 1.249 BETAT (3) = .020
X/LB 1.001
PHI
110.000 -.2980
120.000 -.2560

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A
 AVES 11-707 1A9 OSA + S3 + T9 OMS POD OUTSIDE

(CONTINUED)

SECTION (1) OMS POD OUTSIDE

MACH (2) = 1.249 BETAT (4) = 4.130

DEPENDENT VARIABLE CP
 X/LB 1.001
 PHI
 110.000 -.3090
 120.000 -.2990

MACH (2) = 1.248 BETAT (5) = 0.250

X/LB 1.001
 PHI
 110.000 -.3440
 120.000 -.3290

(REMOVED) (28 APR 75)

DATE 20 SEP 73
TABULATED PRESSURE DATA - 1A9A
AMES 11-707 1A9 OCA + S3 + 79 OMS POD OUTSIDE

PARAMETRIC DATA

ALPHA = -8.000 ORBINC = .500
RUDDER = -15.000 ELEVON = .000
RUFLR = .000

REFERENCE DATA

REF = 2.4210 50.FT. XGRP = 28.5300 INCHES
REF = 39.8490 INCHES YGRP = .0000 INCHES
REF = 39.8490 INCHES ZGRP = .0000 INCHES
SCALE = .0370 SCALE

DEPENDENT VARIABLE CP

SECTION (1) OMS POD OUTSIDE

MACH (1) = 1.101 BETAT (1) = -8.180

X/LB 1.001
PHI
110.000
120.000

MACH (1) = 1.102 BETAT (2) = -4.080

X/LB 1.001
PHI
110.000
120.000

MACH (1) = 1.102 BETAT (3) = .020

X/LB 1.001
PHI
110.000
120.000

MACH (1) = 1.100 BETAT (4) = 4.160

X/LB 1.001
PHI
110.000
120.000

MACH (1) = 1.102 BETAT (5) = 8.310

X/LB 1.001
PHI
110.000
120.000

MACH (2) = 1.244 BETAT (1) = -8.130

X/LB 1.001
PHI
110.000
120.000

MACH (2) = 1.245 BETAT (2) = -4.090

X/LB 1.001
PHI
110.000
120.000

MACH (2) = 1.249 BETAT (3) = .020

X/LB 1.001
PHI
110.000
120.000

X/LB 1.001
PHI
110.000
120.000

(REMOVED)

DATE: 27 SEP 73 TABULATED PRESSURE DATA - 1A9A
 AVES 11-707 1A9 02A + S3 + T9 ONS POD OUTSIDE

SECTION (1) ONS POD OUTSIDE	DEPENDENT VARIABLE CP
MACH (2) = 1.245 BETAT (4) = 4.130	X/LB 1.001
	PHI -.2210
	110.000 -.1810
	120.000
MACH (2) = 1.247 BETAT (5) = 6.250	X/LB 1.001
	PHI -.2750
	110.000 -.2380
	120.000

TABULATED PRESSURE DATA - 1A9A

DATE 20 SEP

(RBMH31) (28 APR 73)

AMES 11-707 1A9 O2A + S3 + T9 CMS POD OUTSIDE

PARAMETRIC DATA

ALPHAT = -6.000 ORBINC = .500
RUDDER = -15.000 ELEVON = .000
KUDFLR = .000

REF: 1A9A

SREF = 2.4210 SQ.FT. XREF = 28.5300 INCHES
LREF = 39.8490 INCHES YREF = .0000 INCHES
BREF = 39.8490 INCHES ZREF = .0000 INCHES
SCALE = .0300 SCALE

DEPENDENT VARIABLE CP

SECTION (1) CMS POD OUTSIDE

MACH (1) = 1.101	BETAT (1) = -8.190	X/LB	1.001
		PHI	
		110.000	-.1630
		120.000	-.0330
MACH (1) = 1.101	BETAT (2) = -4.090	X/LB	1.001
		PHI	
		110.000	-.2620
		120.000	-.1780
MACH (1) = 1.099	BETAT (3) = .020	X/LB	1.001
		PHI	
		110.000	-.3220
		120.000	-.2550
MACH (1) = 1.098	BETAT (4) = 4.140	X/LB	1.001
		PHI	
		110.000	-.3640
		120.000	-.3220
MACH (1) = 1.097	BETAT (5) = 8.280	X/LB	1.001
		PHI	
		110.000	-.3890
		120.000	-.3690
MACH (2) = 1.247	BETAT (1) = -8.140	X/LB	1.001
		PHI	
		110.000	-.1140
		120.000	-.0010
MACH (2) = 1.246	BETAT (2) = -4.060	X/LB	1.001
		PHI	
		110.000	-.1540
		120.000	-.0830
MACH (2) = 1.251	BETAT (3) = .020	X/LB	1.001
		PHI	
		110.000	-.1910
		120.000	-.1280

CS

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

ANES 11-707 1A9 Q2A + S3 + T9 OMS POD OUTSIDE

(RBM#51)

DEPENDENT VARIABLE CP

SECTION (1) OMS POD OUTSIDE

MACH (2) = 1.251	BETAT (4) = 4.120	X/LB	1.001
		PHI	
		110.000	-.2480
		120.000	-.1970
MACH (2) = 1.250	BETAT (5) = 8.230	X/LB	1.001
		PHI	
		110.000	-.2810
		120.000	-.2480

DATE 2 : 73 TABULATED PRESSURE DATA - 1A9A

(RBMW32) (28 APR 73)

AMES 11-707 1A9 02A + S3 + T9 OMS POD OUTSIDE

REF: DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
 LREF = 39.8490 INCHES YMRP = .0000 INCHES
 BREF = 39.8490 INCHES ZMRP = .0000 INCHES
 SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHAT = -4.000 CRBTNC = .500
 RUDDER = -15.000 ELEVON = .000
 RUFLR = .000

DEPENDENT VARIABLE CP

SECTION (1) OMS POD OUTSIDE

MACH (1) = 1.100	BETAT (1) = -8.200	X/LB	1.001
		PHI	
		110.000	-.1410
		120.000	-.1060
MACH (1) = 1.098	BETAT (2) = -4.090	X/LB	1.001
		PHI	
		110.000	-.2880
		120.000	-.1910
MACH (1) = 1.100	BETAT (3) = .020	X/LB	1.001
		PHI	
		110.000	-.3210
		120.000	-.2990
MACH (1) = 1.101	BETAT (4) = 4.130	X/LB	1.001
		PHI	
		110.000	-.3690
		120.000	-.3310
MACH (1) = 1.101	BETAT (5) = 8.280	X/LB	1.001
		PHI	
		110.000	-.3870
		120.000	-.3690
MACH (2) = 1.249	BETAT (1) = -8.150	X/LB	1.001
		PHI	
		110.000	-.1340
		120.000	-.0360
MACH (2) = 1.250	BETAT (2) = -4.060	X/LB	1.001
		PHI	
		110.000	-.1660
		120.000	-.0890
MACH (2) = 1.250	BETAT (3) = .020	X/LB	1.001
		PHI	
		110.000	-.2160
		120.000	-.1470

(R08H02)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 AVES 11-707 1A9 OEA + S3 + T9 OMS POD OUTSIDE

SECTION (1) OMS POD OUTSIDE DEPENDENT VARIABLE CP

MACH (2) = 1.246	BETAT (4) = 4.110	X/LB	1.001
		PHI	
		110.000	-.2420
		120.000	-.1900
MACH (2) = 1.246	BETAT (5) = 8.210	X/LB	1.001
		PHI	
		110.000	-.2910
		120.000	-.2530

TABULATED PRESSURE DATA - 1A9A

DATE 21 : AMES 11-707 1A9 Q2A + S3 + T9 OMS FOR OUTSIDE

(RBW433) (28 APR 73)

PARAMETRIC DATA

ALPHAT = -2.020 ORBINC = .500
RUDDER = -15.000 ELEVON = .000
RUDFLR = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. YMRP = 28.5300 INCHES
LREF = 39.0490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0000 SCALE

SECTION (1) OMS FOR OUTSIDE

DEPENDENT VARIABLE CP

MACH (1) = 1.112	BETAT (1) = -8.200	X/LB	1.001
		PHI	
		110.000	-.2310
		120.000	-.1480
MACH (1) = 1.101	BETAT (2) = -4.090	X/LB	1.001
		PHI	
		110.000	-.2990
		120.000	-.2080
MACH (1) = 1.100	BETAT (3) = .020	X/LB	1.001
		PHI	
		110.000	-.3340
		120.000	-.2680
MACH (1) = 1.101	BETAT (4) = 4.130	X/LB	1.001
		PHI	
		110.000	-.3770
		120.000	-.3380
MACH (1) = 1.099	BETAT (5) = 8.250	X/LB	1.001
		PHI	
		110.000	-.3920
		120.000	-.3720
MACH (2) = 1.247	BETAT (1) = -8.150	X/LB	1.001
		PHI	
		110.000	-.1590
		120.000	-.0500
MACH (2) = 1.246	BETAT (2) = -4.060	X/LB	1.001
		PHI	
		110.000	-.1910
		120.000	-.1110
MACH (2) = 1.250	BETAT (3) = .020	X/LB	1.001
		PHI	
		110.000	-.2900
		120.000	-.1770

(084453)

DATE 20 SEP 73 TANGULATED PRESSURE DATA - 1A0A

AMES 11-707 1AS OCA + 53 + T9 OMS POD OUTSIDE

SECTION (1) OMS POD OUTSIDE DEPENDENT VARIABLE CP

MACH (2) = 1.250	BETAT (4) = 4.110	X/LB	1.001
		PHI	
		110.000	-.2500
		120.000	-.2010
MACH (2) = 1.248	BETAT (5) = 8.200	X/LB	1.001
		PHI	
		110.000	-.2590
		120.000	-.2600

DATE 20 SE 73 TACULATED PRESSURE DATA - IAS9A

(RBM954) (28 APR 73)

ANES 11-707 1A9 0EA + S3 + T9 OMS FOD OUTSIDE

REFE RE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

SECTION (1) OMS FOD OUTSIDE DEPENDENT VARIABLE CP

MACH (1) = 1.097	BETAT (1) = -8.200	X/LB	1.001
		PHI	
		110.000	-.2610
		120.000	-.1570
MACH (1) = 1.100	BETAT (2) = -4.090	X/LB	1.001
		PHI	
		110.000	-.3090
		120.000	-.2190
MACH (1) = 1.099	BETAT (3) = .020	X/LB	1.001
		PHI	
		110.000	-.3400
		120.000	-.2780
MACH (1) = 1.100	BETAT (4) = 4.130	X/LB	1.001
		PHI	
		110.000	-.3780
		120.000	-.3390
MACH (1) = 1.099	BETAT (5) = 8.250	X/LB	1.001
		PHI	
		110.000	-.4000
		120.000	-.3690
MACH (2) = 1.249	BETAT (1) = -8.160	X/LB	1.001
		PHI	
		110.000	-.1750
		120.000	-.0660
MACH (2) = 1.250	BETAT (2) = -4.070	X/LB	1.001
		PHI	
		110.000	-.2090
		120.000	-.1170
MACH (2) = 1.249	BETAT (3) = .020	X/LB	1.001
		PHI	
		110.000	-.2460
		120.000	-.1920

PARAMETRIC DATA

ALPHAT = .0000 ORBINC = .500
RUDDER = -15.000 ELEVON = .000
RUOFLR = .0000

(RDMH04)

DATE 21 SEP 73 TABULATED PRESSURE DATA - 1ASA
 AXES 11-707 1A9.CPA + S3 + T9 CNG PCO OUTSIDE

SECTION (1) CNG PCO OUTSIDE DEPENDENT VARIABLE CP

MACH (2) = 1.245 BETAT (4) = 4.110	
	X/LB 1.001
	PMI
	110.000 -.2620
	120.000 -.2190
MACH (2) = 1.347 BETAT (5) = 9.200	
	X/LB 1.001
	PMI
	110.000 -.3090
	120.000 -.2900

DATE 24 SEP 71 TABULATED PRESSURE DATA - 1A9A

(RBW05) (28 APR 73)

AMES 11-707 1A9 OCA + S3 + T9 OMS POD OUTSIDE

REFERENCE DATA

SPRF = 2.4210 SQ.FT. YMRP = 28.5300 INCHES
 LREF = 39.8490 INCHES YMRP = .0000 INCHES
 BREF = 39.8490 INCHES ZMRP = .0000 INCHES
 SCALE = .0000 SCALE

PARAMETRIC DATA

ALPHAT = 2.0000 ORBINC = .5000
 RUDDER = -15.0000 ELEVON = .0000
 RUDDLR = .0000

DEPENDENT VARIABLE CP

SECTION (1) OMS POD OUTSIDE

MACH (1) = 1.102 BETAT (1) = -8.210
 X/LB 1.000
 PHI
 110.000 -.0300
 120.000 -.1670

MACH (1) = 1.095 BETAT (2) = -4.090
 X/LB 1.000
 PHI
 110.000 -.3380
 120.000 -.2230

MACH (1) = 1.099 BETAT (3) = .020
 X/LB 1.000
 PHI
 110.000 -.3490
 120.000 -.2700

MACH (1) = 1.101 BETAT (4) = 4.130
 X/LB 1.000
 PHI
 110.000 -.3960
 120.000 -.3920

MACH (1) = 1.106 BETAT (5) = 8.250
 X/LB 1.000
 PHI
 110.000 -.3950
 120.000 -.3820

MACH (2) = 1.248 BETAT (1) = -8.160
 X/LB 1.000
 PHI
 110.000 -.2140
 120.000 -.1930

MACH (2) = 1.244 BETAT (2) = -4.070
 X/LB 1.000
 PHI
 110.000 -.2300
 120.000 -.1390

MACH (2) = 1.250 BETAT (3) = .020
 X/LB 1.000
 PHI
 110.000 -.2690
 120.000 -.2140

(REMARKS)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 ARES 11-707 1A9 02A + S3 + T9 OMS POD OUTSIDE

SECTION (1) OMS POD OUTSIDE

MACH (2) = 1.248 BETAT (4) = 4.100

DEPENDENT VARIABLE CP	
X/LB	1.001
PHI	
110.000	-.2760
120.000	-.2430

MACH (2) = 1.248 BETAT (5) = 8.200

DEPENDENT VARIABLE CP	
X/LB	1.001
PHI	
110.000	-.3240
120.000	-.3040

TABULATED PRESSURE DATA - 1A9A

DATE 20 SEP

(RBM-36) (28 APR 73)

AMES 11-707 1A9 O2A + S3 + T9 OWS POD OUTSIDE

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
 LREF = 39.8490 INCHES YMRP = .0000 INCHES
 BREF = 39.8490 INCHES ZMRP = .0000 INCHES
 SCALE = .03000 SCALE

PARAMETRIC DATA

ALPHAT = 4.000 ORBINC = .500
 RUDDER = -15.000 ELEVON = .000
 RUOFLR = .000

DEPENDENT VARIABLE CP

SECTION (1) OWS POD OUTSIDE

MACH (1) = 1.103 BETAT (1) = -8.200
 X/LB 1.001
 PHI
 110.000 -.1060
 120.000 .0220

MACH (1) = 1.099 BETAT (2) = -4.090

X/LB 1.001
 PHI
 110.000 -.2730
 120.000 -.2430

MACH (1) = 1.096 BETAT (3) = .020

X/LB 1.001
 PHI
 110.000 -.3630
 120.000 -.3040

MACH (1) = 1.098 BETAT (4) = 4.140

X/LB 1.001
 PHI
 110.000 -.3890
 120.000 -.3620

MACH (1) = 1.100 BETAT (5) = 8.260

X/LB 1.001
 PHI
 110.000 -.4090
 120.000 -.4000

MACH (2) = 1.248 BETAT (1) = -8.150

X/LB 1.001
 PHI
 110.000 -.2390
 120.000 -.1140

MACH (2) = 1.249 BETAT (2) = -4.060

X/LB 1.001
 PHI
 110.000 -.2480
 120.000 -.1580

MACH (2) = 1.249 BETAT (3) = .010

X/LB 1.001
 PHI
 110.000 -.2840
 120.000 -.2290

(RBM06)

DATE 21 SEP 73 TABULATED PRESSURE DATA - 1A9A
 AMES 11-707 1A9 ORA + S3 + T9 OMS POD OUTSIDE

SECTION (1) OMS POD OUTSIDE	DEPENDENT VARIABLE CP
MACH (2) = 1.243 BETAT (4) = 4.110	X/LB 1.001
	PHI
	110.000 -.2690
	120.000 -.2520
MACH (2) = 1.246 BETAT (5) = 8.210	X/L 0.01
	PHI
	110.000 -.3350
	120.000 -.3170

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 OCA + S3 + T9 OMS POD OUTSIDE

(REMARKS) (28 APR 73)

PARAMETRIC DATA

ALPHAT = 6.000 ORBINC = .500
RUDDER = -15.000 ELEVON = .000
RUDFLR = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. YREF = 28.5300 INCHES
LREF = 39.8490 INCHES YREF = .0000 INCHES
BREF = 39.8490 INCHES ZREF = .0000 INCHES
SCALE = .0000 SCALE

SECTION (1) OMS POD OUTSIDE

MACH (1) = 1.100 BETAT (1) = -8.180 X/LB 1.001
PHI

110.000 -.1510
120.000 -.0220

MACH (1) = 1.100 BETAT (2) = -4.080 X/LB 1.001
PHI

110.000 -.1340
120.000 -.0110

MACH (1) = 1.098 BETAT (3) = .010 X/LB 1.001
PHI

110.000 -.3390
120.000 -.3220

MACH (1) = 1.100 BETAT (4) = 4.140 X/LB 1.001
PHI

110.000 -.4060
120.000 -.3870

MACH (1) = 1.099 BETAT (5) = 8.280 X/LB 1.001
PHI

110.000 -.4280
120.000 -.4140

MACH (2) = 1.247 BETAT (1) = -8.130 X/LB 1.001
PHI

110.000 -.2560
120.000 -.1620

MACH (2) = 1.248 BETAT (2) = -4.050 X/LB 1.001
PHI

110.000 -.2720
120.000 -.1960

MACH (2) = 1.247 BETAT (3) = .020 X/LB 1.001
PHI

110.000 -.2920
120.000 -.2420

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

(RBM#37)

AMES 11-707 1A9 02A + S3 + T9 OWS POD OUTSIDE

SECTION (1) OWS POD OUTSIDE

DEPENDENT VARIABLE CP

MACH (2) = 1.252	BETAT (4) = 4.120	X/LB	1.001
		PHI	
		110.000	-.3010
		120.000	-.2700
MACH (2) = 1.247	BETAT (5) = 0.230	X/LB	1.001
		PHI	
		110.000	-.3480
		120.000	-.3190

TABULATED PRESSURE DATA - 1A9A

(RBW38) (28 APR 73)

AMES 11-707 1A9 OCA + S3 + T9 CMS POD OUTSIDE

REFERENCE DATA

SREF = 2.4210 SQ.FT. YMRP = 28.5300 INCHES
 LREF = 39.8490 INCHES YMRP = .0000 INCHES
 BREF = 39.8490 INCHES ZMRP = .0000 INCHES
 SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHAT = 8.0000 ORBINC = .500
 RUDDER = -15.0000 ELEVON = .0000
 RUDFLR = .0000

DEPENDENT VARIABLE CP

SECTION (1) CMS POD OUTSIDE		SECTION (2) CMS POD OUTSIDE	
MACH (1) = 1.099	BETAT (1) = -0.170	MACH (1) = 1.099	BETAT (1) = -0.170
MACH (1) = 1.099	BETAT (2) = -4.070	MACH (1) = 1.099	BETAT (2) = -4.070
MACH (1) = 1.099	BETAT (3) = .020	MACH (1) = 1.099	BETAT (3) = .020
MACH (1) = 1.099	BETAT (4) = 4.160	MACH (1) = 1.099	BETAT (4) = 4.160
MACH (1) = 1.097	BETAT (5) = 0.310	MACH (1) = 1.097	BETAT (5) = 0.310
MACH (2) = 1.245	BETAT (1) = -0.110	MACH (2) = 1.245	BETAT (1) = -0.110
MACH (2) = 1.251	BETAT (2) = -4.040	MACH (2) = 1.251	BETAT (2) = -4.040
MACH (2) = 1.246	BETAT (3) = .020	MACH (2) = 1.246	BETAT (3) = .020

X/LB 1.001
 PHI 110.000
 120.000 -0.1570
 120.000 -0.0340

X/LB 1.001
 PHI 110.000
 120.000 -0.1630
 120.000 -0.0770

X/LB 1.001
 PHI 110.000
 120.000 -0.1670
 120.000 -0.0880

X/LB 1.001
 PHI 110.000
 120.000 -0.4120
 120.000 -0.4070

X/LB 1.001
 PHI 110.000
 120.000 -0.4380
 120.000 -0.4270

X/LB 1.001
 PHI 110.000
 120.000 -0.2360
 120.000 -0.1700

X/LB 1.001
 PHI 110.000
 120.000 -0.2780
 120.000 -0.2190

X/LB 1.001
 PHI 110.000
 120.000 -0.3050
 120.000 -0.2490

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 32A + S3 + T9 CMS POD OUTSIDE

(RBHWSB)

DEPENDENT VARIABLE CP

SECTION (1) CMS POD OUTSIDE

MACH (2) = 1.245	BETAT (4) = 4.130	X/LB	1.001
		PHI	-0.3160
		110.000	-0.2700
MACH (2) = 1.245	BETAT (5) = 8.250	X/LB	1.001
		PHI	-0.3500
		110.000	-0.3130

TABULATED PRESSURE DATA - 1A9A

DATE 20 SEP 73

(RBMW09) (28 APR 73)

ANES 11-707 1A9 OEA + S3 + T9 OMS POD OUTSIDE

PARAMETRIC DATA

ALPHAT = -8.000 ORBINC = .500
RUDDER = -5.000 ELEVON = .000
RUDFLR = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 26.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0700 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0000 SCALE

DEPENDENT VARIABLE CP

SECTION (1) OMS POD OUTSIDE

MACH (1) = 1.105	BETAT (1) = -8.180	X/LB	PHI
		110.000	-1.830
		120.000	-0.460

MACH (1) = 1.097	BETAT (2) = -4.070	X/LB	PHI
		110.000	-2.500
		120.000	-1.560

MACH (1) = 1.098	BETAT (3) = .020	X/LB	PHI
		110.000	-3.120
		120.000	-2.540

MACH (1) = 1.104	BETAT (4) = 4.160	X/LB	PHI
		110.000	-3.990
		120.000	-3.230

MACH (1) = 1.099	BETAT (5) = 8.310	X/LB	PHI
		110.000	-3.940
		120.000	-3.800

MACH (2) = 1.251	BETAT (1) = -8.120	X/LB	PHI
		110.000	-1.0910
		120.000	.1420

MACH (2) = 1.249	BETAT (2) = -4.050	X/LB	PHI
		110.000	-1.290
		120.000	-1.0640

MACH (2) = 1.246	BETAT (3) = .020	X/LB	PHI
		110.000	-1.780
		120.000	-1.260

(REMARKS)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 AVES 11-707 1A9 02A + S3 + T9 OMS P10 OUTSIDE

SECTION (1) OMS POD OUTSIDE DEPENDENT VARIABLE CP

MACH (2) = 1.246 BETAT (4) = 4.130	X/LB	1.001
	PHI	
	110.000	-.2130
MACH (2) = 1.245 BETAT (5) = 8.250	120.000	-.1890
	X/LB	1.001
	PHI	
	110.000	-.2710
	120.000	-.2530

DATE 21 SEP 72 TABULATED PRESSURE DATA - 1A9A

ANES 11-707 1A9 02A + S3 + T9 OMS POD OUTSIDE

(RBMMAD) (28 APR 73)

PARAMETRIC DATA

ALPHAT = -4.000 ORBINC = .505
 RUDDER = -3.000 ELEVON = .000
 RUFLR = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. YMRP = 20.5300 INCHES
 LREF = 39.8490 INCHES YMRP = .0000 INCHES
 BREF = 39.8490 INCHES ZMRP = .0000 INCHES
 SCALE = .0300 SCALE

DEPENDENT VARIABLE CP

SECTION (1) OMS POD OUTSIDE

MACH (1) = 1.101	BETAT (1) = -8.190	X/LB	PHI
		1.001	-1.460
		120.000	-.1310

MACH (1) = 1.101	BETAT (2) = -4.180	X/LB	PHI
		1.001	-.2900
		110.000	-.2010

MACH (1) = 1.101	BETAT (3) = .020	X/LB	PHI
		1.001	-.3300
		120.000	-.2650

MACH (1) = 1.099	BETAT (4) = 4.140	X/LB	PHI
		1.001	-.3720
		110.000	-.3280

MACH (1) = 1.100	BETAT (5) = 8.260	X/LB	PHI
		1.001	-.3810
		110.000	-.3650

MACH (2) = 1.244	BETAT (1) = -8.150	X/LB	PHI
		1.001	-.1350
		110.000	-.0470

MACH (2) = 1.245	BETAT (2) = -4.160	X/LB	PHI
		1.001	-.1720
		120.000	-.1010

MACH (2) = 1.246	BETAT (3) = .010	X/LB	PHI
		1.001	-.2140
		120.000	-.1610

(REMARKS)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 ANES 11-707 1A9 02A + S3 + T9 OMS FOD OUTSIDE

DEPENDENT VARIABLE CP

SECTION (1) OMS FOD OUTSIDE

MACH (2) = 1.292 BETAT (4) = 4.110
 X/LB 1.001
 PHI
 110.000 -.2920
 120.000 -.2110

MACH (2) = 1.290 BETAT (5) = 0.210

X/LB 1.001
 PHI
 110.000 -.2760
 120.000 -.2980

TABULATED PRESSURE DATA - 1A9A

ANES 11-707 1A9 02A + S3 + T9 OMS POD OUTSIDE

(RB4441) (26 APR 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 20.5300 INCHES
 LREF = 39.8490 INCHES YMRP = .0000 INCHES
 BREF = 39.8490 INCHES ZMRP = .0000 INCHES
 SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHAT = .000 ORBINC = .500
 RUDDER = -5.000 ELEVON = .000
 RUOFLR = .000

DEPENDENT VARIABLE CP

SECTION (1) OMS POD OUTSIDE

MACH (1) = 1.101	BETAT (1) = -8.200	X/LB	1.001
		PHI	
		110.000	-.2780
		120.000	-.1670
MACH (1) = 1.096	BETAT (2) = -4.090	X/LB	1.001
		PHI	
		110.000	-.3200
		120.000	-.2310
MACH (1) = 1.100	BETAT (3) = .020	X/LB	1.001
		PHI	
		110.000	-.3520
		120.000	-.2810
MACH (1) = 1.100	BETAT (4) = 4.130	X/LB	1.001
		PHI	
		110.000	-.3740
		120.000	-.3390
MACH (1) = 1.100	BETAT (5) = 8.250	X/LB	1.001
		PHI	
		110.000	-.4070
		120.000	-.3800
MACH (2) = 1.247	BETAT (1) = -8.160	X/LB	1.001
		PHI	
		110.000	-.1750
		120.000	-.1800
MACH (2) = 1.251	BETAT (2) = -4.060	X/LB	1.001
		PHI	
		110.000	-.2020
		120.000	-.1270
MACH (2) = 1.246	BETAT (3) = .020	X/LB	1.001
		PHI	
		110.000	-.2430
		120.000	-.1970

(RBHMA1)

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 OCA + S3 + T9 OMS POD OUTSIDE

SECTION (1) OMS POD OUTSIDE

DEPENDENT VARIABLE CP	
MACH (2) = 1.247	BETAT (4) = 4.110
	X/LB 1.000
	PHI
	110.000 -.2590
	120.000 -.2300
MACH (2) = 1.248	BETAT (5) = 9.800
	X/LB 1.000
	PHI
	110.000 -.3010
	120.000 -.2910

TABULATED PRESSURE DATA - 1A9A

DATE 20 SEP 73

(RBM42) (26 APR 73)

AMES 11-707 1A9 CCA + S3 + T9 OMS POD OUTSIDE

PARAMETRIC DATA

ALPHAT = 4.0000 ORBINC = .500
RUDDER = -5.0000 ELEVON = .500
RUOFLR = .0000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.6490 INCHES YMRP = .0000 INCHES
BREF = 39.6490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

DEPENDENT VARIABLE CP

SECTION (1) OMS POD OUTSIDE

MACH (1) = 1.101 BETAT (1) = -8.190
X/LB 1.001
PHI
110.000 -.1060
120.000 .0100

MACH (1) = 1.102 BETAT (2) = -4.060
X/LB 1.001
PHI
110.000 -.2520
120.000 -.2620

MACH (1) = 1.098 BETAT (3) = .020
X/LB 1.001
PHI
110.000 -.3640
120.000 -.3070

MACH (1) = 1.099 BETAT (4) = 4.140
X/LB 1.001
PHI
110.000 -.3970
120.000 -.3690

MACH (1) = 1.100 BETAT (5) = 8.260
X/LB 1.001
PHI
110.000 -.4090
120.000 -.3930

MACH (2) = 1.245 BETAT (1) = -8.140
X/LB 1.001
PHI
110.000 -.2400
120.000 -.1340

MACH (2) = 1.246 BETAT (2) = -4.060
X/LB 1.001
PHI
110.000 -.2450
120.000 -.1790

MACH (2) = 1.249 BETAT (3) = .020
X/LB 1.001
PHI
110.000 -.2700
120.000 -.2330

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 02A + S3 + T9 OMS POD OUTSIDE

(RBM442)

SECTION (1) OMS POD OUTSIDE

MACH (2) = 1.247 BETAT (4) = 4.110

DEPENDENT VARIABLE CP
X/LB 1.001
PHI
110.000 -.2830
120.000 -.2590

MACH (2) = 1.246 BETAT (5) = 8.210

DEPENDENT VARIABLE CP
X/LB 1.001
PHI
110.000 -.3300
120.000 -.3250

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 AMES 11-707 1A9 O2A + S3 + T9 OMS POD OUTSIDE

(RBNM43) (20 APR 73)

PARAMETRIC DATA

ALPHAT = 8.000 ORBINC = .500
 RUDDER = -5.000 ELEVON = .000
 RUDDLR = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
 LREF = 39.0490 INCHES YMRP = .0000 INCHES
 BREF = 39.0490 INCHES ZMRP = .0000 INCHES
 SCALE = .0300 SCALE

DEPENDENT VARIABLE CP

SECTION (1) OMS POD OUTSIDE

MACH (1) = 1.101 BETAT (1) = -0.160 X/LB 1.701
 PHI
 110.000 -.1640
 120.000 -.0370

MACH (1) = 1.097 BETAT (2) = -4.070 X/LB 1.001
 PHI
 110.000 -.2000
 120.000 -.0790

MACH (1) = 1.101 BETAT (3) = .010 X/LB 1.001
 PHI
 110.000 -.1740
 120.000 -.0580

MACH (1) = 1.099 BETAT (4) = 4.150 X/LB 1.001
 PHI
 110.000 -.4080
 120.000 -.4050

MACH (1) = 1.099 BETAT (5) = 8.300 X/LB 1.001
 PHI
 110.000 -.4190
 120.000 -.4130

MACH (2) = 1.245 BETAT (1) = -8.110 X/LB 1.001
 PHI
 110.000 -.1710
 120.000 -.1810

MACH (2) = 1.249 BETAT (2) = -4.040 X/LB 1.001
 PHI
 110.000 -.2840
 120.000 -.2250

MACH (2) = 1.246 BETAT (3) = .020 X/LB 1.001
 PHI
 110.000 -.3720
 120.000 -.2610

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A
AMES 11-707 1A9 OBA + S3 + T9 OMS POD OUTSIDE

(RBM443)

SECTION (1) OMS POD OUTSIDE

MACH (2) = 1.245

BETAT (4) = 4.130

X/LB 1.001
PHI
110.000 -.3130
120.000 -.2850

MACH (2) = 1.246

BETAT (5) = 8.250

X/LB 1.001
PHI
110.000 -.3420
120.000 -.3280

DEPENDENT VARIABLE CP

DATE 20 SEP 72 TABULATED PRESSURE DATA - 1A9A
 ANES 11-707 1A9 ORA + S3 + T9 QMS POD OUTSIDE

(RBM444) 1 27 APR 73)

PARAMETRIC DATA

BETAT = .000 ORBINC = -1.200
 RUDDER = .000 ELEVON = .000
 RUDELR = .000

REFERENCE DATA

XREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
 LREF = 39.8490 INCHES YMRP = .0000 INCHES
 BREF = 39.8490 INCHES ZMRP = .0000 INCHES
 SCALE = .0300 SCALE

DEPENDENT VARIABLE CF

SECTION (1) QMS POD OUTSIDE

MACH (1) = .600	ALPHAT(1) = -8.050	X/LB	1.001
		PHI	
		110.000	-2700
		120.000	-2030
MACH (1) = .600	ALPHAT(2) = -5.990	X/LB	1.001
		PHI	
		110.000	-2680
		120.000	-2040
MACH (1) = .598	ALPHAT(3) = -3.990	X/LB	1.001
		PHI	
		110.000	-2590
		120.000	-1930
MACH (1) = .599	ALPHAT(4) = -1.970	X/LB	1.001
		PHI	
		110.000	-2580
		120.000	-1950
MACH (1) = .600	ALPHAT(5) = .060	X/LB	1.001
		PHI	
		110.000	-2530
		120.000	-1900
MACH (1) = .600	ALPHAT(6) = 2.070	X/LB	1.001
		PHI	
		110.000	-2450
		120.000	-1840
MACH (1) = .600	ALPHAT(7) = 4.010	X/LB	1.001
		PHI	
		110.000	-2450
		120.000	-1850
MACH (1) = .598	ALPHAT(8) = 6.040	X/LB	1.001
		PHI	
		110.000	-2390
		120.000	-1850

DEPENDENT VARIABLE CP

SECTION 1101.035

ALPHAT (9) =	0.020	X/LB	1.001
PHI			
		110.000	-.2315
		120.000	-.1793

NAME	(2) =	.901	ALPHAT (1) =	-8.0714	X/LB	PHI
					110.0000	-3050
					120.0000	-2530
						1.0001

MACH (2) =	.901	ALPHAT(2) =	-6.0390	X/LB	1.0701
				PHI	
				110.0000	-3020
				120.0200	-2260

MACH (2) =	.699	ALPHAT(3) =	-4.020	X/LB	1.001
				PHI	
				110.000	-.2950
				120.000	-.2190

MACN (2) =	.900	ALPHAT(4) =	-1.090	X/LB	1.001
				PHI	
				110.000	-.2750
				120.000	-.2120

PACK (2) =	.902	ALPHAT(5) =	.010	X/LB	1.021
				FBI	
				110.000	-.2780
				120.000	-.2140

MACM (2) =	.902	ALPHAT(6) =	1.990	X/LB	1.1001
				FH1	
				110.0005	-.2640
				120.0000	-.1915

SEARCH (2) =	.901	ALPHAT(7) =	4.010		
				X/LB	1.1011
				PHI	
				110.000	-.2540
				120.000	-.1890

MACM (2) =	.914	ALPHAT(8) =	6.122	X/LB PHI	1.143
				110.000	-.2530
				124.162	-.1931

(RBM44)

DATE 20 SEP 74 TABULATED PRESSURE DATA - 1A9A
 APES 11-707 1A9 02A + S3 + 79 OMS POD OUTSIDE

SECTION (1) OMS POD OUTSIDE	DEPENDENT VARIABLE CP
MACH (2) = .898 ALPHAT(9) = 7.990	X/LB 1.001 PHI 110.000 -.2530 120.000 -.2000
MACH (3) = 1.105 ALPHAT(1) = -8.010	X/LB 1.001 PHI 110.000 -.2780 120.000 -.2220
MACH (3) = 1.097 ALPHAT(2) = -5.990	X/LB 1.001 PHI 110.000 -.2960 120.000 -.2390
MACH (3) = 1.100 ALPHAT(3) = -3.970	X/LB 1.001 PHI 110.000 -.3090 120.000 -.2490
MACH (3) = 1.102 ALPHAT(4) = -1.990	X/LB 1.001 PHI 110.000 -.3310 120.000 -.2560
MACH (3) = 1.100 ALPHAT(5) = .030	X/LB 1.001 PHI 110.000 -.3280 120.000 -.2640
MACH (3) = 1.101 ALPHAT(6) = 2.040	X/LB 1.001 PHI 110.000 -.3410 120.000 -.2730
MACH (3) = 1.102 ALPHAT(7) = 3.980	X/LB 1.001 PHI 110.000 -.3530 120.000 -.2920
MACH (3) = 1.105 ALPHAT(8) = 6.030	X/LB 1.001 PHI 110.000 -.3560 120.000 -.3040

(RBHMA4)

DATE 20 SEP 73 TABULATED PRESSURE DATA - IASA
AMES 11-707 IAS OCA + S3 + T9 CMS POD OUTSIDE

DEPENDENT VARIABLE CP

SECTION (1) OMS POD OUTSIDE

MACH (3) = 1.102	ALPHAT(9) = 0.010	X/LB	1.001
		PHI	
		110.000	-.3720
		120.000	-.3210
MACH (4) = 1.247	ALPHAT(1) = -0.060	X/LB	1.001
		PHI	
		110.000	-.1660
		120.000	-.1140
MACH (4) = 1.250	ALPHAT(2) = -0.040	X/LB	1.001
		PHI	
		110.000	-.1720
		120.000	-.1220
MACH (4) = 1.247	ALPHAT(3) = -0.060	X/LB	1.001
		PHI	
		110.000	-.1660
		120.000	-.1370
MACH (4) = 1.246	ALPHAT(4) = -0.000	X/LB	1.001
		PHI	
		110.000	-.2060
		120.000	-.1520
MACH (4) = 1.246	ALPHAT(5) = .020	X/LB	1.001
		PHI	
		110.000	-.2230
		120.000	-.1750
MACH (4) = 1.244	ALPHAT(6) = 2.070	X/LB	1.001
		PHI	
		110.000	-.2440
		120.000	-.1690
MACH (4) = 1.246	ALPHAT(7) = 4.020	X/LB	1.001
		PHI	
		110.000	-.2590
		120.000	-.2110
MACH (4) = 1.246	ALPHAT(8) = 6.030	X/LB	1.001
		PHI	
		110.000	-.2680
		120.000	-.2310

TABULATED PRESSURE DATA - 1A9A

(RBMMA4)

AMES 11-737 1A9 02A + S3 + T9 OMS POD OUTSIDE

DEPENDENT VARIABLE CP

SECTION 1: OMS POD OUTSIDE

MAC- 4) = 1.246 ALPHAT(3) = 0.010

X/LB	1.001
PMI	
110.000	-.2830
120.000	-.2410

TAULATED PRESSURE DATA - 1A9A

(RBMLO1) (27 APR 73)

AVES 11-707 1A9 02A + S3 + T9 LOWER WING

DATE 20 SEP 73

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
 LREF = 39.8490 INCHES YMRP = .0000 INCHES
 BREF = 39.8490 INCHES ZMRP = .0000 INCHES
 SCALE = .0300 SCALE

PARAMETRIC DATA

BETAT = .000 ORBINC = 1.500
 RUDDER = .000 ELEVON = .000
 RUOFLR = .000

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING	Y/BW	X/CW	Y/BW	X/CW
MACH (1) = .603 ALPHAT(1) = -8.140	.000	.000	.000	.000
	.090	.090	.090	.090
	.081	.081	.081	.081
	.086	.086	.086	.086
	.094	.094	.094	.094
	.150	.150	.150	.150
	.177	.177	.177	.177
	.229	.229	.229	.229
	.246	.246	.246	.246
	.290	.290	.290	.290
	.362	.362	.362	.362
	.400	.400	.400	.400
	.402	.402	.402	.402
	.497	.497	.497	.497
	.550	.550	.550	.550
	.565	.565	.565	.565
	.600	.600	.600	.600
	.650	.650	.650	.650
	.700	.700	.700	.700
	.725	.725	.725	.725
	.750	.750	.750	.750
	.760	.760	.760	.760
	.775	.775	.775	.775
	.818	.818	.818	.818
	.834	.834	.834	.834
	.850	.850	.850	.850
	.857	.857	.857	.857
	.865	.865	.865	.865
	.920	.920	.920	.920
	.915	.915	.915	.915
	.950	.950	.950	.950
	.953	.953	.953	.953
	.965	.965	.965	.965
	.965	.965	.965	.965
MACH (1) = .598 ALPHAT(2) = -6.130	.000	.000	.000	.000
	.090	.090	.090	.090
	.081	.081	.081	.081
	.086	.086	.086	.086
	.094	.094	.094	.094
	.150	.150	.150	.150
	.177	.177	.177	.177
	.229	.229	.229	.229
	.246	.246	.246	.246
	.290	.290	.290	.290
	.362	.362	.362	.362
	.400	.400	.400	.400
	.402	.402	.402	.402
	.497	.497	.497	.497
	.550	.550	.550	.550
	.565	.565	.565	.565
	.600	.600	.600	.600
	.650	.650	.650	.650
	.700	.700	.700	.700
	.725	.725	.725	.725
	.750	.750	.750	.750
	.760	.760	.760	.760
	.775	.775	.775	.775
	.818	.818	.818	.818
	.834	.834	.834	.834
	.850	.850	.850	.850
	.857	.857	.857	.857
	.865	.865	.865	.865
	.920	.920	.920	.920
	.915	.915	.915	.915
	.950	.950	.950	.950
	.953	.953	.953	.953
	.965	.965	.965	.965
	.965	.965	.965	.965

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1ASA

AMES 11-707 IAS C2A + S3 + T9 LOWER WING

(RBMLO1)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = .598 ALPHAT (2) = -6.130

Y/BW	X/CW	CP
.150		
.177		
.229	.0180	
.246		
.250		
.362	.0320	
.400		
.402		
.497	-.1130	
.550		
.565		
.600		
.650		
.700	-.2840	
.725		
.750		
.760		
.775		
.808		
.834		
.850		
.857		
.865		
.900	-.1280	
.905		
.950		
.953		
.965	-.0410	
.299	.364	.427
.534	.673	.780
.887		
-.1820	-.2280	-.2780
-.2460		
-.1470		
-.2300	-.2040	-.1940
-.1870	-.2090	-.2250
-.2240		
-.2960		
-.3010		
-.2440		
-.2600		
-.3040		
-.2340	-.2390	
-.3140		
-.2090		
-.1670	-.1630	-.1510
-.1580		
-.0830		
.0350	.0410	.0360
.0150		
.534	.673	.780
.887		
.4350	.4010	.3780
-.2180	-.2300	-.2510
-.3810		
-.0130		
-.1110	-.1460	-.2030
-.1470		
-.0910		
.0310		
-.1720	-.1450	-.1360
-.1310		
-.1520	-.1650	-.1910
-.1970		

MACH (1) = .597 ALPHAT (3) = -4.100

Y/BW	X/CW	CP
.299	.364	.427
.534	.673	.780
.887		
.4350	.4010	.3780
-.2180	-.2300	-.2510
-.3810		
-.0130		
-.1110	-.1460	-.2030
-.1470		
-.0910		
.0310		
-.1720	-.1450	-.1360
-.1310		
-.1520	-.1650	-.1910
-.1970		

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

AVES 11-707 1A9 02A + S3 + T9 LOWER WING

(R04L01)

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (1) = .597 ALPHAT(3) = -4.100

Y/BW	X/CW	.299	.364	.427	.534	.673	.760	.887
.550				-.2610	-.2630	-.2950		-.2320
.565							-.2420	
.600								
.650								
.700		-.2680			-.2600		-.2260	-.2350
.725								
.750								
.760				-.3100	-.2330	-.2410		
.775				-.2020				
.808								
.834		-.2280		-.1840	-.1640	-.1560		
.850				-.1590				
.857								-.0660
.865		-.1760		-.0670				
.880		-.1200		-.0670	.0340	.0360	.0310	
.905				.0160				
.930								
.933								
.965		-.0340						
Y/BW	X/CW	.299	.364	.427	.534	.673	.760	.887
.000		-.0580	-.0040	.2540	.4500	.4110	.4270	.3690
.050				.0600	-.1060	-.0940	-.1370	-.1400
.061								
.066			.0270					
.084		.0080			-.0560	-.0770	-.1170	-.0660
.130								
.177				-.0320				
.229		.0370						
.246			.0630					
.250					-.1360	-.0960	-.0630	-.0710
.362		.0750			-.1220	-.1310		-.1570
.411				-.1600				
.412								
.497		-.0510			-.2500	-.2710		
.550				-.2650				-.2170
.565							-.2900	
.611								
.650		-.2600			-.2670			
.700					-.2760		-.2210	-.2330
.725								
.750				-.3050	-.2370	-.2410		
.760								
.775								

MACH (1) = .599 ALPHAT(4) = -2.080

DATE 20 SEP 70 TABULATED PRESSURE DATA - 1A9A

AVES 11-707 1A9 02A + S3 + T9 LOWER WING (RBMLO1)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = .599 ALPHAT(4) = -2.060

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.608			-.1940				
.834	-.2230			-.1910	-.1670	-.1610	
.850			-.1740				
.857							
.865	-.1690			-.0930			-.1010
.900	-.1190						
.905			-.0990				
.990				.0300	.0300	.0250	
.953			.0100				
.965	-.0280						

MACH (1) = .597 ALPHAT(5) = -.060

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000							
.050	-.1990	-.0630	.2040	.4090	.3560	.3680	.2100
.081				.0020	.0240	.0210	.0240
.086		.0360	.1250				
.094							
.150							
.177			.0180				
.229				-.0020	.0040	-.0270	.0100
.246							
.250		.1020		-.0790	-.0360	-.0210	-.0240
.362							
.400				-.0840	-.0840		-.1190
.402			-.1240				
.497	-.0120						
.550			-.2360	-.2170	-.2390		
.565							
.600							
.650							
.700	-.2430						
.725				-.2610	-.2700		
.750							
.760			-.3000				
.775			-.1890	-.2270	-.2310		
.808							
.834	-.2160			-.1910	-.1670	-.1710	
.850							
.857			-.1690				
.865	-.1650						
.900	-.1110			-.0980			-.1140
.905			-.0990				
.950				.0190	.0210	.0190	
.953			.0050				

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A

ANES 11-707 1A9 O2A + S3 + T9 LOWER WING

(RBMLO1)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = .597 ALPHAT(7) = 3.930

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.150							
.177			.1230	.1350	.1480	.1550	.1440
.229	.0710						
.246		.1620					
.250			.0380	.0990	.1040	.1030	
.362	.1350		.0020	.0080			-.0370
.400			-.0480				
.402							
.497	.0540						
.550			-.1500	-.1590			
.565			-.1830				-.1440
.600							
.650					-.2240	-.1430	
.700	-.1680			-.2170			
.725						-.1680	-.1930
.750			-.2840				
.760				-.1990	-.1960		
.775			-.1810				
.808							
.834	-.2060			-.1780	-.1480	-.1560	
.850							
.857			-.1570				
.865	-.1610			-.0940			-.1200
.900	-.1160						
.905			-.0640	.0190	.0180	.0060	
.950			.0060				
.953							
.965	-.0350						
Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.1240							
.150	-.4830	-.4660	-.1850	-.1430	-.2580	-.4280	-1.1290
.181			.2970	.2850	.3420	.3450	.3590
.186		.0430					
.194							
.190				.1940	.2190	.2180	.2110
.177			.1650				
.229	.0770						
.246		.1910					
.250				.0850	.1420	.1610	.1370
.362	.1530			.1430	.1630		.1630
.410							
.412			-.0150				
.497	.1660						

MACH (1) = .600 ALPHAT(8) = 5.900

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A
AMES 11-707 1A9 OEA + S3 + T9 LOWER WING

(RBML01)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = .599 ALPHAT(9) = 7.950

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.828			-.1590				
.834	-.1870			-.1580	-.1490	-.1510	
.850			-.1440				
.857							
.865	-.1460			-.0800			-.1380
.900	-.0980						
.905			-.0890	.0200	-.0100	-.0330	
.950			.0120				
.953							
.965	-.0210						

MACH (2) = .905 ALPHAT(1) = -8.020

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.0080	-.0280	.3050	.3510	.2830	.1800	.1230
.050				-.3080	-.5150	-1.1570	-.8150
.081			-.0160				
.086		.0470					
.094	.0110						
.150				-.1780	-.3710	-.4410	-.6220
.177			-.1020				
.229	.0660	.0780					
.246				-.3180	-.3700	-.3570	-.6070
.250				-.2750	-.2890		-.3590
.362	.1180						
.400			-.3320				
.402				-.3540	-.4590		
.497	-.0460		-.3300				
.550							-.4600
.565							
.600							
.650							
.700	-.3000			-.6200			
.725							
.750							
.760			-.4620				
.775				-.3090	-.4140		
.808			-.2760				
.834	-.2920						
.850				-.1090	-.0890	-.0550	
.857			-.1710				
.965	-.2660						-.1250
.960	-.1970			-.0090			
.945			-.1680				
.950				.0450	.0700	.0960	
.953			.0190				

TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 02A + S3 + T9 LOWER WING

(RPM, 0.1)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = .905 ALPHAT(1) = -8.020

X/CM .965

MACH (2) = .899 ALPHAT(2) = -5.960

Y/BW .299

X/CM .364

Y/BW .427

X/CM .534

Y/BW .673

X/CM .780

Y/BW .887

X/CM .887

Y/BW .887

X/CM .887

Y/BW .887

X/CM .887

Y/BW .887

X/CM .887

Y/BW .887

X/CM .887

Y/BW .887

X/CM .887

Y/BW .887

X/CM .887

Y/BW .887

X/CM .887

Y/BW .887

X/CM .887

Y/BW .887

X/CM .887

Y/BW .887

X/CM .887

Y/BW .887

X/CM .887

Y/BW .887

X/CM .887

MACH (2) = .896 ALPHAT(3) = -4.000

Y/BW .299

X/CM .364

Y/BW .427

X/CM .534

Y/BW .673

X/CM .780

Y/BW .887

X/CM .887

Y/BW .887

X/CM .887

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A
AMES 11-707 1A9 02A + S3 + T9 LOWER WING

(RPM01)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = .898 ALPHAT(3) = -4.122

Y/BW	X/CW	.299	.364	.427	.534	.673	.780	.887
.190					-.0620	-.1440	-.1630	-.1820
.177				-.1240				
.229	.0830							
.246			.1300					
.250					-.1690	-.1290	-.1390	-.1650
.362	.1480				-.1080	-.1700		-.2840
.400				-.1630				
.402								
.437	.0110				-.2740	-.4080		
.550				-.2690				
.565								-.4900
.600							-.4910	
.700	-.2180			-.5870				
.725				-.5960			-.5560	-.4400
.750				-.5040				
.760					-.3510	-.3820		
.775				-.2880				
.808								
.834	-.2860			-.1520	-.1240	-.0690	-.1460	
.850								
.857								
.865	-.2450				-.0160			.0180
.920	-.1610			-.0500				
.905					.0490	.0670	.0810	
.950								
.953								
.965	-.1430							

MACH (2) = .912 ALPHAT(4) = -1.980

Y/BW	X/CW	.299	.364	.427	.534	.673	.780	.887
.140								
.150								
.181								
.186								
.194	.1430				.5190	.4510	.4490	.3540
.150					-.0240	-.0450	-.0130	-.1780
.177				.1650				
.229	.1480			.0480				
.246								
.250								
.362	.1620				-.1020	-.0590	-.0590	-.1110
.400								
.402					-.0690	-.1220		-.2650
.497	.0390			-.1170				

DATE 20 SEP 75

TABULATED PRESSURE DATA - 1A9A

(RBM.L01)

AVES 11-707 1A9 02A + S3 + T9 LOWER WING

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (2) = .902 ALPHAT(4) = -1.980

Y/BW X/CW	.259	.364	.427	.534	.673	.780	.867
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							
.808							
.834							
.850							
.857							
.865							
.900							
.905							
.950							
.953							
.965							
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							
.808							
.834							
.850							
.857							
.865							
.900							
.905							
.950							
.953							
.965							
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							

MACH (2) = .902 ALPHAT(5) = .050

Y/BW X/CW	.259	.364	.427	.534	.673	.780	.867
.000							
.050							
.061							
.066							
.094							
.151							
.177							
.229							
.246							
.250							
.362							
.400							
.402							
.497							
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							

DATE 20 SEP 73

TABULATED PRESSURE DATA - IASA

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AMES 11-707 IAG CEA + S3 + T9 LOWER WING

(RBMLO1)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = .902 ALPHAT(5) = .030

Y/BM X/CW	.299	.364	.427	.534	.673	.780	.887
.808			-.2650				
.834	-.2820						
.850				-.1560	-.1120	-.0990	
.857			-.1590				
.865	-.2270						-.0260
.900	-.1350			-.0350			
.905			-.0540	.0900	.1080	.1000	
.950			.0570				
.953							
.965	-.0240						

MACH (2) = .901 ALPHAT(6) = 2.100

Y/BM X/CW	.299	.364	.427	.534	.673	.780	.887
.000			.2100	.4300	.3440	.3540	.0960
.050	-.2680	-.1370		.1540	.1620	.1510	.1430
.081		.0870	.2710				
.086							
.094				.1200	.1150	.1010	.0550
.150			.1420				
.177							
.229	.1020	.2060					
.246				.0200	.0580	.0540	.0110
.250							
.362	.1930			.0100	-.0260		-.1520
.400			-.0290				
.402							
.497	.1990			-.1660	-.3000		
.550			-.1810				
.565							-.3530
.600						-.3820	
.650					-.4900		
.700	-.1440			-.5250			-.5150
.725							
.750			-.5340	-.3690	-.6100		
.760							
.775			-.2680				
.808							
.834	-.2780			-.2140	-.1940	-.2790	
.850			-.1850				
.857							
.865	-.2250						-.1740
.900	-.1360			-.0810			
.905			-.1630				
.950				.0670	.0590	-.0050	
.953			.1440				

TABULATED PRESSURE DATA - 1A9A

DATE 20 SEP 73

ANES 11-707 1A9 02A + S3 + T9 LOWER WING

(RBMLO1)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = .901 ALPHAT(6) = 2.100

Y/BW .299 .364 .427 .534 .673 .780 .887
X/CW .965 -.0270

MACH (2) = .859 ALPHAT(7) = 4.030

Y/BW .299 .364 .427 .534 .673 .780 .887
X/CW -.3340 -.2340 .1320 .3710 .2570 .2590 -.0930
.000 .090 .3200 .2350 .2440 .2420 .2460
.081 .0820
.066 .084 .0770
.150 .177 .1870
.229 .1190 .2340
.246 .250 .2140
.362 .400 .0000
.412 .497 .1280
.590 .565
.600
.650
.700 -.1280
.725
.730
.760
.775
.808
.804 -.2640
.890
.857
.865 -.2080
.900 -.1480
.905
.930
.953
.965 -.1030

.1770 .1760 .1710 .1240

.0680 .1050 .1080 .0560

.0490 .0130 -.0940

.0000

-.1610 -.2570

-.1640

-.3100

-.3320

-.4810

-.4130 -.4070

-.4440

-.2570

-.2740 -.2990 -.3710

-.2070

-.1210

-.0940

.0400 -.0210 -.1340

.0380

-.1030

MACH (2) = .901 ALPHAT(8) = 6.000

Y/BW .299 .364 .427 .534 .673 .780 .887
X/CW

.000 -.3440 -.2060 .1520 .3140 .1850 .1310 -.2510
.080
.161
.166
.194 .1930 .0980

.3630

.3160 .3250 .3240

TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 O2A + S3 + T9 LOWER WING

(R09A.01)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = .9711 ALPHAT (8) = 6.0000

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.150							
.177			.2240	.2240	.2230	.2320	.1000
.229	.1310	.2640					
.246				.1140	.1580	.1620	.1220
.250				.0750	.0560		-.0380
.362	.2340						
.400			.0330				
.402							
.497	.1530			-.1330	-.2180		
.550			-.1360				-.2510
.565							
.600							
.650							
.700	-.1030						
.725				-.4310			
.750							
.760			-.4000				
.775			-.2660				
.808							
.834	-.2520			-.3390	-.4080	-.5020	
.850							
.857			-.2590				
.865	-.2190						
.900	-.1480			-.1920			-.4840
.905							
.950				-.1450			
.953					-.0260	-.1510	-.2950
.965	-.0470						
Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.3690	-.3300	-.0310	.2400	.0860	.0130	-.4140
.050				.3550	.3910	.3950	.3990
.081			.3620				
.186		.1660					
.094	.0970			.2660	.2840	.2970	.2510
.150			.2440				
.177							
.229	.1420						
.246		.2720					
.250				.1530	.2180	.2210	.1710
.362	.2400						
.400				.1010	.1690		.0140
.402			.1540				
.497	.1620						

MACH (2) = .902 ALPHAT (9) = 6.0000

DATE: SEP 73 TABULATED PRESSURE DATA - 1A9A

AVES 11-707 1A9 02A + S3 + T9 LOWER WING

(RBMLO1)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = .951 ALPHAT (10) = 10.000

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.808			-.3100				
.834	-.2640						
.850				-.4610	-.4800	-.4760	
.857							
.865	-.2410						
.900	-.1850			-.2470			-.4410
.905							
.950				-.2150			
.953				-.1170	-.5280	-.5180	
.965	-.0880			-.0800			

MACH (3) = 1.104 ALPHAT (1) = -0.010

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.1000	-.2600	-.2500	.3800	.5340	.4470	.3810	.3340
.1050			.1560	-.1230	-.3770	-.6940	-.6160
.1081		.0520					
.1086							
.1094	-.1880			-.0160	-.1030	-.2230	-.5230
.1150			.0720				
.1177	-.1080						
.229		.1930					
.246				-.0880	-.1630	-.1980	-.4900
.250							
.362	.1980			-.1530	-.1620		-.1190
.400							
.412			-.1490				
.497	.1320			-.2470	-.3020		
.550			-.2390				
.565							
.600							
.650					-.4350	-.3600	-.2900
.700	-.2600			-.4230		-.4370	-.4500
.725							
.750				-.4680			
.760				-.4710	-.5140		
.775							
.808				-.4720			
.834	-.4440						
.850				-.5470	-.5490	-.5570	
.857				-.6130			
.865	-.4020						-.5520
.941	-.3480			-.2520			
.905				-.2920			
.950				-.2380	-.2830	-.4100	
.953				-.2360			

SECTION (1) LOWER WING		DEPENDENT VARIABLE CP	
MACH (3) = 1.104 ALPHAT(1) = -8.010		Y/BW X/CW	.299 -.2170
		.364	.427 .534 .675 .760 .887
MACH (3) = 1.101 ALPHAT(2) = -5.990		Y/BW X/CW	.299 -.2680
		.364	.427 .534 .675 .760 .887
		.0780	.4070 .5770 .4650 .4120
		.090	-.10600 -.2320 -.5460 -.4650
		.081	.2030
		.096	
		.094	.0780
		.150	.1130
		.177	
		.229	.0210
		.246	.2190
		.230	
		.362	.2120
		.400	
		.402	-.1320
		.497	.1460
		.550	
		.565	
		.600	
		.700	-.2210
		.725	
		.750	
		.760	
		.775	
		.806	
		.834	-.4430
		.850	
		.857	
		.865	
		.910	
		.915	
		.950	
		.955	
		.965	
MACH (3) = 1.104 ALPHAT(3) = -3.980		Y/BW X/CW	.299 -.3190
		.364	.427 .534 .675 .760 .887
		.1000	.4110
		.1050	
		.1061	
		.1066	
		.1094	
			.2500
			.1050
			-.1650

TABULATED PRESSURE DATA - 1A9A

DATE 20 SEP 73

AMES 11-707 IAG O2A + S3 + T9 LOWER WING

(0894L01)

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (3) = 1.102 ALPHA(4) = -2.000

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.590							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							
.808							
.834							
.850							
.857							
.865							
.900							
.905							
.950							
.955							
.965							
Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000							
.090							
.081							
.086							
.094							
.150							
.177							
.229							
.246							
.250							
.362							
.400							
.402							
.497							
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							

MACH (3) = 1.102 ALPHA(5) = .050

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000							
.090							
.081							
.086							
.094							
.150							
.177							
.229							
.246							
.250							
.362							
.400							
.402							
.497							
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

AVES 11-707 1A9 QEA + S3 + T9 LOWER WING (RBMLO1)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (3) = 1.101 ALPHAT(6) = 2.010

Y/BW	X/CW	.299	.364	.427	.534	.673	.780	.887
.000	.000	-.5420	-.4490	.2160	.4980	.4380	.4400	.2210
.050	.050	-.0920		.4310	.3510	.3520	.3640	.3890
.100	.100							
.150	.150							
.200	.200							
.250	.250							
.300	.300							
.350	.350							
.400	.400							
.450	.450							
.500	.500							
.550	.550							
.600	.600							
.650	.650							
.700	.700							
.750	.750							
.800	.800							
.850	.850							
.900	.900							
.950	.950							
.965	.965							

MACH (3) = 1.102 ALPHAT(7) = 4.020

Y/BW	X/CW	.299	.364	.427	.534	.673	.780	.887
.000	.000	-.5420	-.4490	.2160	.4980	.4380	.4400	.2210
.050	.050	-.0920		.4310	.3510	.3520	.3640	.3890
.100	.100							
.150	.150							
.200	.200							
.250	.250							
.300	.300							
.350	.350							
.400	.400							
.450	.450							
.500	.500							
.550	.550							
.600	.600							
.650	.650							
.700	.700							
.750	.750							
.800	.800							
.850	.850							
.900	.900							
.950	.950							
.965	.965							

MACH (3) = 1.103 ALPHAT(8) = 5.980

Y/BW	X/CW	.299	.364	.427	.534	.673	.780	.887
.000	.000	-.5420	-.4490	.2160	.4980	.4380	.4400	.2210
.050	.050	-.0920		.4310	.3510	.3520	.3640	.3890
.100	.100							
.150	.150							
.200	.200							
.250	.250							
.300	.300							
.350	.350							
.400	.400							
.450	.450							
.500	.500							
.550	.550							
.600	.600							
.650	.650							
.700	.700							
.750	.750							
.800	.800							
.850	.850							
.900	.900							
.950	.950							
.965	.965							

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A
AXES 11-707 1A9 02A + S3 + T9 LOWER WING

(RDM4.D1)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (4) = 1.250 ALPHAT(1) = -0.000

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.965	-.3710						

MACH (4) = 1.252 ALPHAT(2) = -5.960

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.1900	-.1120	.1590	.5570	.5070	.5030	.4700
.050			.2120	-.1340	-.1960	-.4340	-.3240
.081		-.1470					
.086							
.094	-.1500			.0780	.0150	-.0540	-.2860
.150			.1530				
.177							
.229	-.1630						
.246		.0950		.0290	-.0270	-.0480	-.0850
.250							
.362	-.0250			-.0150	.0050		.0140
.400			-.0180				
.402							
.497	.1950			-.1190	-.1560		
.590			-.1140				-.1780
.565							
.600							
.680							
.700	-.1310						
.725				-.2940			
.750							
.760			-.3040				
.775				-.3380	-.3540		
.818							
.834	-.2630						
.850				-.4030	-.4120	-.4150	
.857							
.865	-.4300						
.900	-.4010			-.4330			-.4260
.915							
.950				-.5150			
.953				-.5090	-.4910	-.4850	
.965	-.3400						

MACH (4) = 1.248 ALPHAT(3) = -4.050

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.2220	-.1170	.2270	.5980	.5470	.5530	.5140
.050				.0610	-.0720	-.2230	-.1880
.181			.2310				
.186		-.1250					
.194							

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A
AMES 11-707 1A9 CEA + S3 + T9 LOWER WING

(RBMLO1)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (4) = 1.249 ALPHAT(5) = .040

(RBMLO1)

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.808			-.2520				
.834	-.2460						
.850				-.3030	-.2960	-.3300	
.857			-.3730				
.865	-.4140						-.3360
.900	-.4790			-.3690			
.905			-.4620				
.950				-.4510	-.3620	-.4060	
.953			-.5080				
.965	-.2900						

MACH (4) = 1.247 ALPHAT(6) = 2.050

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000							
.050	-.3690	-.3130	.3030	.5930	.5190	.5300	.4020
.081			.4060	.3120	.2980	.2600	.3030
.086		-.0910					
.094	-.0690			.2920	.2410	.2270	.2410
.150			.3100				
.177							
.229	-.0740						
.246		.2930					
.250				.1690	.1660	.2280	.2210
.362	.1730			.1130	.1050		.1490
.400			.0680				
.402							
.497	.2670			.0620	.0180		
.550			.0320				
.565							-.0520
.610						-.0490	
.650	-.0220			-.1390			
.700							
.725				-.0840		-.1570	-.1940
.750			-.2080				
.760				-.1750	-.1850		
.775			-.2330				
.808							
.834	-.2360			-.3070	-.2410	-.2810	
.850			-.3560				
.857							
.865	-.4030			-.3720			-.3140
.910	-.4810		-.4620				
.915				-.4490	-.3820	-.3450	
.950			-.5210				
.953							

DATE 20 SEP 75

TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 OSA + S3 + T9 LOWER WING

(R8M4.01)

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (4) = 1.247 ALPHAT(6) = 2.030

MACH (4) = 1.248 ALPHAT(7) = 4.040

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.963	-.2820						
Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.030	-.4180	-.3560	.2180	.5310	.4870	.4930	.3210
.090				.3780	.3650	.3410	.4020
.081			.4360				
.066		-.0710					
.084	-.0310						
.130			.3260	.3210	.2640	.2940	.3060
.177							
.229	-.0680	.3040					
.248				.1900	.2250	.2950	.2760
.250							
.362	.2220			.1400	.2320		.2040
.400			.0780				
.412							
.497	.2590			.1130	.0700		
.550			.0770				.0070
.566							
.600						.0120	
.680	.0330						
.700				-.0770		-.0950	-.1440
.725							
.750							
.760							
.775							
.808							
.804	-.2280						
.850							
.857							
.865	-.3940						
.900	-.4640						
.905							
.950							
.953							
.965	-.2420						
Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.4100	-.3760	.0590	.4940	.4920	.4530	.2190
.050				.4440	.4470	.4350	.5150
.061			.4840				
.086		-.1410					
.094							
.094							

MACH (4) = 1.247 ALPHAT(8) = 6.010

DATE 21 SEP 73

TABULATED PRESSURE DATA - 1A9A

AVES 11-707 1A9 OSA + S3 + T9 LOWER WING

(RBM4.02) (27 APR 73)

REFERENCE DATA

REF - 2.4210 94. FT. XGRP = 28.5300 INCHES
 LREF - 39.6490 INCHES YGRP = .0000 INCHES
 BREF - 39.6490 INCHES ZGRP = .0000 INCHES
 SCALE - .0300 SCALE

SECTION (1) LOWER WING

MACH (1) = .998 ALPHAT(1) = -0.020

DEPENDENT VARIABLE CP

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.987
.000	-.0670	-.1600	.1180	.0970	-.0410	-.2210	-.2020
.050				-.5390	-.6910	-.8050	-.7350
.100			-.2410				
.150		-.0690					
.200	-.0530			-.3020	-.3920	-.4060	-.5620
.250			-.2490				
.300	-.0180						
.350		-.0900					
.400				-.3190	-.3140	-.3040	-.4330
.450				-.2470	-.2700		-.2820
.500			-.2920				
.550	-.1750			-.3280	-.3480		
.600			-.3310				-.2730
.650					-.3320		-.2910
.700	-.3070			-.3090		-.2510	-.2590
.750					-.2420	-.2660	
.800			-.3220				
.850			-.2010				
.900	-.2280			-.1600	-.1730	-.1590	
.950			-.1570				
.965				-.0770			-.1070
			-.1840				
			-.1440				
				-.0620			
				.0370	.0220	.0210	
			.0120				
	-.0740						
Y/BW X/CW	.299	.364	.427	.534	.673	.780	.987
.000	-.0420	-.0760	.2010	.2690	.1830	.1620	.1620
.050				-.4110	-.4930	-.5790	-.6190
.100			-.1640				
.150		-.0340					
.200							
.250							
.300							
.350							
.400							
.450							
.500							
.550							
.600							
.650							
.700							
.750							
.800							
.850							
.900							
.950							
.965							

MACH (1) = .998 ALPHAT(2) = -0.020

TABULATED PRESSURE DATA - IASA

AMES 11-707 IAS OCA + S3 + T9 LOWER WING

(RBM102)

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .598 ALPHAT (2) = -6.020

Y/BW X/CW	.299	.364	.427	.534	.673	.785	.887
.150							
.177							
.229	-.00150						
.246		-.0600					
.250							
.362	.00030						
.400							
.402							
.497	-.1440						
.550							
.565							
.600							
.650							
.700	-.2930						
.725							
.750							
.760							
.775							
.808							
.834	-.2400						
.850							
.857							
.865	-.1960						
.900	-.1400						
.905							
.950							
.953							
.965	-.0460						
.965							

MACH (1) = .599 ALPHAT (3) = -3.990

Y/BW X/CW	.299	.364	.427	.534	.673	.785	.887
.000	-.0450	-.0190	.2580	.3900	.3360	.2940	.2640
.050							
.081							
.086							
.094	-.0210						
.150							
.177							
.229	.0060						
.246		-.0170					
.250							
.362	.0210						
.400							
.402							
.497							

DATE 20 SEP 79

TABULATED PRESSURE DATA - 1A9A

(RBM102)

ANES 11-707 1A9 02A + S3 + T9 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = .599 ALPHAT (3) = -3.990

Y/BW X/CW	.599	.364	.427	.534	.673	.790	.867
.597							
.565							
.600							
.630							
.650							
.700							
.725							
.750							
.760							
.775							
.808							
.834							
.850							
.857							
.865							
.900							
.905							
.930							
.953							
.965							
.299	.364	.427	.534	.673	.790	.867	
-.0640	.0100	.2800	.4570	.4180	.4200	.3830	
.030							
.081							
.086							
.094							
.150							
.177							
.229							
.246							
.250							
.362							
.410							
.402							
.497							
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							
-.0390	-.1150	-.1220	-.1060				
-.0790							
.0250							
-.1580	-.1210	-.1120	-.1060				
-.1490	-.1460						
-.1650							
-.2630	-.2740						
-.2650							
-.2460							
-.2920							
-.2870							
-.2260							
-.2410							
-.3180							
-.2390	-.2480						

MACH (1) = .599 ALPHAT (4) = -1.910

Y/BW X/CW	.599	.364	.427	.534	.673	.790	.867
.000							
.030							
.081							
.086							
.094							
.150							
.177							
.229							
.246							
.250							
.362							
.410							
.402							
.497							
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							
-.0390	-.1150	-.1220	-.1060				
-.0790							
.0250							
-.1580	-.1210	-.1120	-.1060				
-.1490	-.1460						
-.1650							
-.2630	-.2740						
-.2650							
-.2460							
-.2920							
-.2870							
-.2260							
-.2410							
-.3180							
-.2390	-.2480						

DATE 21 SEP 73 TABULATED PRESSURE DATA - 1A9A

AVES 11-707 1A9 02A + S3 + T9 LOWER WING

(RBMLO2)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = .598 ALPHAT(4) = -1.915

Y/BW X/CW	.299	.364	.427	.534	.672	.785	.887
.808			-.2180				
.834	-.2210			-.1910	-.1172	-.1630	
.850			-.1690				
.857							
.865	-.1780			-.1010			-.0940
.900	-.1280		-.0970	.0240	.0290	.0190	
.915			.0090				
.950							
.953	-.0400						
.965							

MACH (1) = .598 ALPHAT(5) = .020

Y/BW X/CW	.299	.364	.427	.534	.672	.785	.887
.000	-.1070	-.0140	.2550	.4990	.4090	.4220	.3070
.050			.0690	-.0740	-.0490	-.0780	-.0620
.081		.0210					
.086	.0010						
.094							
.190			-.0240	-.0380	-.0470	-.0350	-.0470
.177	.0290						
.229		.0530					
.246				-.1150	-.0670	-.0580	-.0500
.250	.0660			-.1190	-.1100		-.1130
.362			-.1510				
.400				-.2380	-.2460		
.412	-.0470		-.2430				-.2110
.497							
.550							
.565							
.600							
.650	-.2570			-.2710	-.2820		
.700							
.725							
.750							
.760			-.3080				
.775			-.2020	-.2350	-.2420		
.808							
.834	-.2180			-.1910	-.1710	-.1680	
.850			-.1710				
.857							
.865	-.1730			-.1020			-.1180
.910	-.1220						
.915			-.1010				
.950				.0290	-.230	.0160	
.953			.0010				

TABLE 1. TABULATED PRESSURE DATA - 1A9A

AMES 11-7U7 1A9 02A + S3 + T3 LOWER WING

(RBM 52)

SECTION : 110000 WING

DEPENDENT VARIABLE CP

MACH (1) = .599 ALPHAT(5) = .020

WJ/CW

55

11

MACH (1) = .599 ALPHAT(6) = 2.020

MD/X
MA/X

2001 EE37

1000

1000

697.

MACM (1) = .997 ALPHA(7) = 4.021

MB/Y
X/CW

.299 **.364**

.427 **.536**

1399 00

191
192

3

6102.

1000

176277

DATE 911 SEP 73 TABULATED PRESSURE DATA - 1A9A

AVES 11-707 1A9 02A + S3 + T9 LOWER WING

.0294.021

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = .597 ALPHAT (7) = 4.020

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.987
.150							
.177			.0840	.09...	.1570	.1260	.1080
.229	.0590						
.246		.1320		-.0020	.0510	.0690	.0500
.250				-.0320	-.0180		-.0380
.362	.1160		-.0740				
.400							
.402							
.497	.0190		-.2030	-.1680	-.1770		
.550							
.565							
.600							
.650							
.700	-.2040			-.2370	-.2450	-.1730	-.1620
.725							
.750			-.2870	-.2110	-.2160	-.1870	-.2130
.780			-.1930				
.775							
.808							
.834	-.2140			-.1810	-.1990	-.1630	
.850			-.1670				
.857				-.1080			-.1170
.865	-.1700						
.900	-.1190		-.1130	.0130	.0100	.0020	
.905							
.950			-.0280				
.953							
.965	-.0530						

MACH (1) = .599 ALPHAT (8) = 6.010

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.177							
.150							
.181			.2530				
.186		.0430					
.194				.1150	-.0650	-.2240	-.8310
.150				.2250	.2750	.2900	.3170
.177							
.229	.0710		.1310	.1530	.1700	.1990	.1710
.246		.1610					
.250				.0450	.1120	.1290	.1980
.362							
.400	.1410			.0260	.0210		.0260
.412			-.1450				
.497	.1460						

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

ANES 11-707 1A9 02A + S3 + T9 LOWER WING

(RBM_02)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

$$\text{ALPHAT}(8) = 6.010$$

WACH	(1) = .599	ALPHAT(8) = 6.010	Y/BA X/CA	.259	.364	.427	.534	.673	.760	.887
			.550							
			.565							
			.600							
			.650							
			.700							
			.725							
			.750							
			.760							
			.775							
			.806							
			.834							
			.850							
			.857							
			.865							
			.900							
			.905							
			.950							
			.953							
			.965							
WACH	(1) = .297	ALPHAT(9) = 8.000	Y/BA X/CA	.299	.364	.427	.534	.673	.760	.887
			.000							
			.050							
			.081							
			.086							
			.094							
			.150							
			.177							
			.229							
			.246							
			.250							
			.362							
			.410							
			.412							
			.497							
			.550							
			.565							
			.610							
			.650							
			.710							
			.725							
			.750							
			.760							
			.775							

$$\text{ALPHAT}(9) = 8.000$$

Y/BM	.299	.364	.427	.534	.675	.760	.800
X/04							
.000	-.4920	-.4840	-.1710	-.0470	-.3360	-.5650	-1.2540
.050				.2990	.3660	.3670	.3910
.081			.2980				
.086		.0907					
.094	.0490			.2050	.2410	.2670	.2340
.150			.1650				
.177							
.229	.0630	.1870					
.246				.0950	.1640	.1880	.1540
.250							
.362	.1530			.0360	.0750		.0520
.410			-.0190				
.412							
.497	.0630			-.1180	-.1040		
.550							
.565							
.610			-.1620				-.0660
.650						-.1140	
.710	-.1580			-.2060	-.2000		
.725							
.750						-.1460	-.1820
.760			-.2610	-.1690	-.1830		
.775							

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 02A + S3 + T9 LOWER WING

(RBM402)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = .597 ALPHAT(9) = 0.000

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.808			-.1680				
.834	-.1840			-.1680	-.1500	-.1550	
.850			-.1530				
.857				-.1040			-.1360
.865	-.1460						
.900	-.0980		-.0970	.0150	-.0030	-.0230	
.905			.0030				
.930							
.933	-.0320						
.965		.299	.364	.427	.534	.673	.780
Y/BW							.887
X/CW							
.000	-.0150	-.0900	.2840	.3360	.2220	.1090	.0890
.050			-.0720	-.4120	-.6270	-1.2480	-.9780
.061		.0130					
.086	-.0080						
.094			-.1430	-.2070	-.5720	-.5000	-.7420
.150							
.177	.0950						
.246		.0460					
.250				-.3440	-.4350	-.4450	-.7080
.362	.1040			-.3350	-.3560		-.4720
.400			-.3640				
.402				-.4020	-.5320		
.497	-.0680		-.3520				-.3820
.550							
.565							
.600						-.5350	
.620					-.6290		
.700	-.3250			-.5940		-.2750	-.2440
.725							
.750			-.4460		-.2450	-.2570	
.760			-.2770				
.775							
.808	-.2790			-.0900	-.0630	-.0730	
.834			-.1680				
.850							
.857							
.865	-.2990			-.0130			-.0120
.910	-.2010		-.0770				
.915				.0330	.0680	.0660	
.950			.0110				
.953							

MACH (2) = .803 ALPHAT(1) = -0.000

DATE 14 SEP 73 TABULATED PRESSURE DATA - IASA

ANES 11-707 1A9 C2A + S3 + T9 LOWER WING

(RBML02)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = .900 ALPHAT(3) = -.030

Y/BW	X/CW	.299	.364	.427	.534	.673	.780	.887
.150				-.0500	-.1040	-.2250	-.2110	-.3230
.177								
.229		.0880						
.246			.0940					
.250					-.2250	-.1740	-.1840	-.2140
.362		.1230			-.1370	-.2050		-.2680
.400				-.2080				
.402								
.497		-.0190			-.3000	-.4310		
.550				-.2520				-.4730
.565							-.9000	
.600					-.6050			
.650		-.2340						
.700						-.6040		
.725								
.750								
.760				-.4720				
.775				-.3210		-.3580	-.4570	
.808								
.834		-.2650			-.1290	-.0820	-.0500	
.850				-.1610				
.857								.0130
.865		-.2840			-.0190			
.900		-.1780						
.905				-.0550		.0730	.0900	.0790
.950				.0350				
.953								
.955		-.0540						
Y/BW	X/CW	.299	.364	.427	.534	.673	.780	.887
.110		-.0340	.0510	.3480	.5280	.4570	.4450	.3850
.120					-.1190	-.1630	-.1490	-.3640
.141				.1100				
.166			.0690					
.194		.0350			-.0360	-.1040	-.1140	-.1440
.190				.0090				
.177								
.229		.0790						
.246			.1230					
.250					-.1470	-.1010	-.1090	-.1370
.362		.1480						
.400					-.0940	-.1480		-.2410
.402				-.1480				
.497		.0180						

MACH (2) = .806 ALPHAT(4) = -1.390

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

ANES 11-707 1A9 02A + S3 + T9 LOWER WING

(R094.02)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = .696 ALPHAT (4) = -1.990

Y/BW X/CW	.299	.364	.427	.534	.673	.760	.887
.530							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							
.806							
.834							
.850							
.857							
.865							
.900							
.905							
.950							
.953							
.965							
.299							
.364							
.427							
.534							
.673							
.760							
.887							
.2620							
.2640							
.3990							
.4750							
.5800							
.5890							
.4990							
.3990							
.4610							
.3130							
.1340							
.0690							
.0550							
.1560							
.0280							
.0900							
.0620							
.0930							
.0530							
.0290							
.299							
.364							
.427							
.534							
.673							
.760							
.887							
.3270							
.4660							
.4700							
.3620							
.0190							
.0680							
.0780							
.1710							
.0780							
.0430							
.0260							
.0180							
.0140							
.0550							
.0540							
.1330							
.0340							
.0440							
.0630							
.0970							
.1980							
.1000							
.2380							
.3660							
.4300							
.4440							
.5560							
.5730							
.5690							
.6230							
.4840							
.3660							
.6230							

MACH (2) = .696 ALPHAT (5) = .010

Y/BW X/CW	.299	.364	.427	.534	.673	.760	.887
.300							
.080							
.081							
.086							
.094							
.150							
.177							
.229							
.246							
.250							
.362							
.400							
.412							
.497							
.550							
.565							
.610							
.650							
.700							
.725							
.750							
.760							
.775							

TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 02A + S3 + T9 LOWER MINE

(RBM_02)

SECTION (1) LOWER MINE

WACH (2) = .000 ALPHAT(5) = .010

DEPENDENT VARIABLE CP

Y/BW X/CM	.299	.364	.427	.534	.673	.780	.887
.808			-.2950				
.834	-.2610			-.1467	-.0830	-.0710	
.850			-.1650				
.857							
.865	-.2730			-.0310			.0010
.900	-.1450						
.905			-.0950	.0640	.1040	.1080	
.920			.0310				
.953							
.965	-.0180						

WACH (2) = .000 ALPHAT(6) = 2.000

Y/BW X/CM	.299	.364	.427	.534	.673	.780	.887
.000							
.050	-.1680	-.0450	.2060	.4990	.4250	.4330	.2350
.061			.2150	.0680	.0840	.0820	.0850
.106		.0740					
.094				.0600	.0680	.0700	.0150
.150			.0970				
.177							
.229	.0620	.1650					
.246				-.0210	.0210	.0230	-.0280
.250							
.362	.1680			-.0130	-.0520		-.1440
.400			-.0630				
.402							
.497	.0680		-.2090	-.2100	-.3320		-.3680
.550						-.4050	
.565							
.600							
.690							
.700	-.1710			-.5430			
.725						-.5160	-.5500
.750							
.760			-.4520	-.3140	-.6030		
.775							
.806			-.2730				
.834	-.2540						
.850				-.1810	-.1380	-.1270	
.857			-.1750				
.865	-.2550			-.0560			-.0720
.900	-.1340						
.905			-.0670	.0600	.1020	.0640	
.950							
.953			.0520				

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A
AMES 11-707 1A9 O2A + S3 + T9 LOWER WING

(RBM102)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = .998 ALPHAT(6) = 2.040

Y/BW	X/CW	.299	.364	.427	.534	.673	.780	.887
.965	-.0210							

MACH (2) = .905 ALPHAT(7) = 1.040

Y/BW	X/CW	.299	.364	.427	.534	.673	.780	.887
.965	-.0210							

Y/BW	X/CW	.299	.364	.427	.534	.673	.780	.887
.965	-.0210							

Y/BW	X/CW	.299	.364	.427	.534	.673	.780	.887
.965	-.0210							

Y/BW	X/CW	.299	.364	.427	.534	.673	.780	.887
.965	-.0210							

Y/BW	X/CW	.299	.364	.427	.534	.673	.780	.887
.965	-.0210							

Y/BW	X/CW	.299	.364	.427	.534	.673	.780	.887
.965	-.0210							

Y/BW	X/CW	.299	.364	.427	.534	.673	.780	.887
.965	-.0210							

Y/BW	X/CW	.299	.364	.427	.534	.673	.780	.887
.965	-.0210							

Y/BW	X/CW	.299	.364	.427	.534	.673	.780	.887
.965	-.0210							

Y/BW	X/CW	.299	.364	.427	.534	.673	.780	.887
.965	-.0210							

Y/BW	X/CW	.299	.364	.427	.534	.673	.780	.887
.965	-.0210							

MACH (2) = .997 ALPHAT(8) = 6.030

Y/BW	X/CW	.299	.364	.427	.534	.673	.780	.887
.965	-.0210							

Y/BW	X/CW	.299	.364	.427	.534	.673	.780	.887
.965	-.0210							

Y/BW	X/CW	.299	.364	.427	.534	.673	.780	.887
.965	-.0210							

Y/BW	X/CW	.299	.364	.427	.534	.673	.780	.887
.965	-.0210							

Y/BW	X/CW	.299	.364	.427	.534	.673	.780	.887
.965	-.0210							

TABULATED PRESSURE DATA - 1A9A

ANES 11-707 1A9 02A + S3 + T9 LOWER WING

(RBM402)

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (2) = .087 ALPHAT(9) = 6.030

Y/BW
X/CW

.150	.427	.534	.673	.760	.887
.177					
.229	.1900	.1690	.1660	.2030	.1585
.246					
.250	.2350	.0850	.1300	.1360	.0850
.362	.2170	.0500	.0320		-.0410
.400					
.402	.0110				
.487	.1300	-.1530	-.2340		
.590		-.1500			
.563					-.2680
.600				-.2980	
.690	-.1210	-.4320	-.4140		
.700				-.3680	-.3080
.725					
.790					
.760		-.3570	-.3350	-.4480	
.775		-.3080			
.808					
.834	-.2180	-.2390	-.3420	-.4680	
.850		-.2180			
.857					
.865	-.2610	-.1430			-.3430
.900	-.1270				
.905		-.1080			
.950			.0130	-.0650	-.1920
.953		.0270			
.965	-.0190				

MACH (2) = .500 ALPHAT(9) = 6.000

Y/BW
X/CW

.000	.299	.364	.427	.534	.673	.760	.887
.050							
.081	-.3610	-.3080	.0720	.3250	.1710	.1040	-.2640
.086				.2980	.3460	.3560	.3630
.094		.1050					
.150							
.177			.2180				
.229	.1350			.2290	.2490	.2680	.2250
.246	.2530						
.250				.1250	.1790	.1910	.1430
.362	.2290			.0770	.0760		.0100
.400							
.402			.0340				
.497	.1460						

TABULATED PRESSURE DATA - 1A9A

APES 11-707 1A9 02A + S3 + T9 LOWER WING

(RDMU2)

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (2) = .900 ALPHAT(9) = 0.000

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.590			-.1450	-.1360	-.1890		-.2100
.565						-.2490	
.600							
.690							
.700	-.1110			-.4000	-.3910		
.725							
.790			-.3600				
.780				-.3750	-.4970		
.775			-.3950				
.808							
.834	-.2943			-.3680	-.4490	-.4970	
.890			-.2580				
.857				-.2100			-.4170
.865							
.900	-.1530		-.1430	-.0480	-.1950	-.4020	
.905							
.950			-.0110				
.953							
.965	-.0980						

MACH (3) = 1.102 ALPHAT(1) = -0.050

Y/BW X/CW	.259	.364	.427	.534	.673	.780	.887
.000							
.050	-.2550	-.3550	.3480	.4930	.4100	.3850	.3350
.081			.1040	-.2290	-.4800	-.7720	-.7310
.086		.0370					
.094	-.2090			-.0640	-.2880	-.3130	-.5300
.150							
.177			.0290				
.229	.0090						
.246		.1600					
.250				-.1170	-.1790	-.2610	-.4050
.362	.1750			-.1750	-.1730		-.2300
.410							
.402			-.1990				
.497	.1030			-.2510	-.3890		-.2760
.550			-.2590				
.565							
.610						-.3710	
.650							
.700	-.2980			-.4530			
.725						-.4440	-.4370
.750							
.760			-.4930				
.775				-.4930	-.5310		

DATE 20 SEP 75 TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 02A + S3 + T9 LOWER WING

(RBM4.02)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (3) = 1.102 ALPHAT(1) = -8.050

Y/BW

X/CW

.808	.299	.364	.427	.534	.673	.780	.887
.834	-.4680		-.4640				
.850				-.5080	-.5080	-.5670	
.857							
.865	-.3820			-.2350			-.4890
.870	-.3880						
.905			-.2760		-.2900	-.4280	
.950			-.2060				
.953	-.2180						
.965							

MACH (3) = 1.103 ALPHAT(2) = -6.010

Y/BW

X/CW

.000	.299	.364	.427	.534	.673	.780	.887
.030	-.2780	-.2470	.3840	.5500	.4720	.4280	.4210
.061			.1440	-.1400	-.2680	-.6590	-.5930
.086		.0800					
.094	-.2150			-.0130	-.1150	-.1550	-.3650
.150							
.177	.0430		.0680				
.229		.1730					
.246				-.0940	-.1430	-.1520	-.2740
.250	.1900						
.362				-.1340	-.1260		-.0760
.400			-.1430				
.402	.1180						
.497			-.2560	-.2130	-.2660		-.2470
.550							
.565							
.600						-.3050	
.650	-.2610				-.4110		
.700				-.3690		-.4070	-.4150
.725							
.750							
.760			-.4530		-.4370	-.4870	
.775				-.4340			
.818							
.834	-.4530			-.5910	-.5160	-.5420	
.850							
.857			-.5970				
.865	-.3730						-.4650
.910	-.3480			-.2210			
.905			-.2430		-.1980	-.2700	-.4560
.950							
.953							-.1870

DATE 20 SEP 75

TABULATED PRESSURE DATA - 1A9A
AMES 11-707 1A9 02A + S3 + T9 LOWER WING

(RBM4.02)

SECTION (1) LOWER WING

MACH (3) = 1.103 ALPHAT(2) = -6.010

DEPENDENT VARIABLE CP

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.965	-.1900						

MACH (3) = 1.102 ALPHAT(3) = -4.000

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.2910	-.1790	.4070	.9920	.5100	.5080	.4820
.050			.1940	-.0580	-.1590	-.4810	-.4110
.061		.0790					
.086	-.1850			.0540	-.0390	-.0980	-.2090
.150			.1080				
.177	.0630						
.229		.2020					
.246				-.0480	-.1090	-.0630	-.0810
.290	.2010			-.1080	-.0680		-.0330
.362			-.1220				
.400							
.412	.1380						
.497			-.1960				
.550							
.565							
.600							
.690							
.700	-.2170			-.3340			
.725							
.750							
.760			-.4310				
.775				-.4110	-.4490		
.818							
.834	-.4420						
.850				-.5260	-.4840	-.5300	
.857							
.865	-.4680						
.900	.3290						
.915							
.930				-.2280			
.953							
.965	-.1770			-.1950	-.3930	-.5690	

MACH (3) = 1.102 ALPHAT(4) = -1.990

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.3200	-.1440	.4080	.6070	.5470	.5370	.4870
.050				.0320	-.0190	-.1410	-.2280
.061		.0970	.2460				
.086							
.154	-.2060						

DATE 26 SEP 73 TABULATED PRESSURE DATA - 1A9A

AWES 11-707 1A9 02A + S3 + T9 LOWER WING

(RBM02)

SECTION (1) LOWER WING

MACH (3) = 1.102 ALPHAT(5) = -.030

DEPENDENT VARIABLE CP			
Y/BW	X/CW		
.550		.534	.673
.565			.780
.600		-.0470	-.1220
.650			
.710			
.725			
.750			
.760			
.775			
.808			
.834			
.850			
.857			
.865			
.900			
.905			
.950			
.953			
.965			

MACH (3) = 1.102 ALPHAT(6) = 1.000

Y/BW	X/LW		
.299	.364	.427	.534
-.4150	-.2110	.3400	.5000
.000		.1910	.1660
.050		.3240	
.081			
.086			
.094			
.150			
.177			
.229			
.246			
.250			
.362			
.410			
.412			
.497			
.550			
.565			
.600			
.650			
.700			
.725			
.750			
.760			
.775			

-.0750
-.1830
-.1650
-.2580
-.2990
-.3390
-.3710
-.3940
-.5050
-.5640
-.1980
-.1710
-.534
-.673
-.4950
-.1660
-.1370
-.1950
-.1660
-.1930
-.0850
-.1470
-.1590
-.2470
-.2740
-.3190
-.3990
-.3320

DATE 20 SEP 75 TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 O2A + S3 + T9 LOWER WING

(RBM152)

SECTION (1) LOWER WING		DEPENDENT VARIABLE CP									
MACH (3) = 1.102 ALPHAT(6) = 1.980		Y/BW	.299	.364	.427	.534	.673	.760	.887		
		X/CW									
		.838			-.386						
		.834	-.4190								
		.850				-.4930	-.4190	-.4310			
		.857				-.5540					
		.865	-.3640			-.2330					
		.900	-.2940								
		.905			-.1830						
		.950				-.1450	-.5110	-.5230			
		.953				-.1510					
		.965	-.1010								
		Y/BW	.299	.364	.427	.534	.673	.760	.887		
		X/CW									
		.000									
		.050	-.4750	-.3420	.2750	.5350	.4740	.4830	.2330		
		.081				.2660	.2670	.2840	.3430		
		.086				.3630					
		.094									
		.150									
		.177									
		.229				.2350					
		.246									
		.250									
		.362									
		.400	.2240			.1180	.2230	.2550	.2120		
		.402				.1760	.1660		.1310		
		.497				.0830					
		.550	.1790								
		.555									
		.600				-.0020					
		.650									
		.700	.0080								
		.725				-.2590	-.2270				
		.750									
		.760				-.3990					
		.775				-.3490	-.3160				
		.800				-.3830					
		.834	-.4160								
		.850				-.4810	-.4040	-.4150			
		.857				-.5440					
		.865	-.3210								
		.900	-.2810			-.2290					
		.905				-.1650					
		.950				-.1270	-.5350	-.5410			
		.953				-.1310					

MACH (3) = 1.102 ALPHAT(7) = 3.980

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TABULATED PRESSURE DATA - 1A9A

(RBM102)

AME3 11-707 1A9 ORA + S3 + T9 LOWER WING

DEPENDENT VARIABLE CP

SECTION 1 (1) LOWER WING

MACH .5 = 1.102 ALPHAT(7) = 3.985

Y/BW .299 .364 .427 .534 .673 .780 .887
X/CW .905 -.0780

MACH .5 = 1.102 ALPHAT(8) = 5.970

Y/BW .299 .364 .427 .534 .673 .780 .887
X/CW .000 -.5440 -.5010 .1980 .5100 .4480 .4360 .1340
.090 .3430 .3680 .3840 .4410
.001 .4070
.006 .0770
.094 -.1100 .2680 .3030 .3470 .3180
.190 .2780
.177 .0780 .2680
.246 .1850 .2780 .2970 .2660
.290 .2060 .2100 .1780
.367 .1350
.412 .0460 -.0320
.497 .0140
.590
.565
.600
.690
.710 .0260
.725 -.2260
.750
.760
.775 -.3920
.808 -.3770
.834
.850
.857 -.4570 -.3770 -.3810
.865 -.5280
.920
.915 -.4990
.930 -.2350
.953 -.1370 -.5100 -.4750
.965 -.1280

MACH .5 = 1.102 ALPHAT(9) = 7.940

Y/BW .299 .364 .427 .534 .673 .780 .887
X/CW .1240 -.9850 -.5110 .1100 .4780 .4170 .3830 .0180
.050 .4050 .4520 .4700 .5170
.081 .4440
.086 .0650
.094 -.0320

TABULATED PRESSURE DATA - IASA

ANES 11-707 IAS OEA + S3 + T9 LOWER WING

DATE 20 SEP 73

(RBM.02)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (3) = 1.101 ALPHAT(9) = 7.940

Y/BW X/CW	.259	.364	.427	.534	.673	.780	.887
.150							
.177			.3080				
.229	.0740						
.246		.3000					
.250				.2330	.3260	.3530	.3140
.362	.2470			.1300	.2490		.2190
.400			.1630				
.402							
.497	.2200			.0670	-.0060		-.0270
.550			.0940				
.565							
.600						-.0540	
.650	.0470			-.2190			
.700						-.1610	-.2100
.725							
.750			-.3080				
.760			-.3680				
.775							
.806							
.834	-.3920			-.4560	-.3620	-.3510	
.850			-.4020				
.857							
.865	-.2660			-.5190			-.2860
.910	-.2460						
.925			-.3630	-.1670	-.4960	-.4510	
.950			-.1140				
.953							
.965	-.0660						

MACH (4) = 1.249 ALPHAT(1) = -0.080

Y/BW X/CW	.259	.364	.427	.534	.673	.780	.887
.1010							
.1250	-.1560	-.1970	.0120	.4070	.4180	.3760	.3630
.1500				-.4460	-.4120	-.5450	-.5010
.1600			-.1650				
.1660							
.1940	-.1590						
.1950				.0200	-.3790	-.2190	-.4630
.1770			-.0320				
.2290	-.1790						
.2460		-.0240					
.2500				-.0180	.0060	-.1690	-.4140
.3620	-.0660			-.0660	-.0590		-.1490
.4000							
.4020			-.0620				
.4970							

DATE 27 SEP 73

TABULATED PRESSURE DATA - IASA
AVES 11-707 1A9 CBA + S3 + T9 LOWER WING

(RBM4J02)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (4) = 1.248 ALPHAT(2) = -6.020

Y/BM X/CM	.299	.364	.427	.534	.673	.780	.887
.806			-.3290				
.834	-.2880			-.4370	-.4070	-.4110	
.850							
.857							
.865	-.4440			-.4570			-.3080
.900	-.3680						
.905			-.2470				
.950				-.5120	-.4880	-.4750	
.955			-.3600				
.955	-.3750						

MACH (4) = 1.248 ALPHAT(3) = -3.960

Y/BM X/CM	.299	.364	.427	.534	.673	.780	.887
.000							
.030	-.1940	-.1180	.2010	.5010	.5430	.5360	.4850
.061				-.0880	-.1680	-.3750	-.2750
.086							
.094							
.150							
.177			.1970				
.229				.0980	.0800	-.0120	-.1620
.246							
.250			.1780				
.362	.0720			.0420	-.0050	.0000	-.0180
.400				-.0070	.0120		.0360
.402							
.497	.1850						
.550				-.1040	-.1450		
.565							
.600							-.1440
.650						-.1850	
.700	-.1180			-.2650			
.725							
.750							
.760			-.2970				
.775							
.806			-.2870				
.834	-.2880						
.850				-.3940	-.3780	-.3910	
.857			-.4150				
.865	-.4210						-.3060
.900	-.3730			-.4180			
.905							
.950			-.5260	-.4830	-.4680	-.4540	
.955			-.3250				
.955							

TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 C2A + S3 + T9 LOWER WING

(RBM102)

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (4) = 1.249 ALPHAT(5) = -3.980

Y/BW .299 .364 .427 .534 .673 .780 .897
X/CW .965 -.3140

MACH (4) = 1.245 ALPHAT(4) = -1.930

Y/BW .299 .364 .427 .534 .673 .780 .837
X/CW .000 -.2250 -.1250 .2660 .6340 .5690 .5910 .5080
.090 .061 .086 .104 .130 .177 .229 .246 .250 .362 .400 .412 .497 .550 .565 .610 .650 .700 .725 .750 .760 .775 .808 .834 .850 .857 .865 .910 .915 .930 .953 .965

Y/BW .299 .364 .427 .534 .673 .780 .837
X/CW .000 -.2250 -.1250 .2660 .6340 .5690 .5910 .5080
.090 .061 .086 .104 .130 .177 .229 .246 .250 .362 .400 .412 .497 .550 .565 .610 .650 .700 .725 .750 .760 .775 .808 .834 .850 .857 .865 .910 .915 .930 .953 .965

Y/BW .299 .364 .427 .534 .673 .780 .837
X/CW .000 -.2250 -.1250 .2660 .6340 .5690 .5910 .5080
.090 .061 .086 .104 .130 .177 .229 .246 .250 .362 .400 .412 .497 .550 .565 .610 .650 .700 .725 .750 .760 .775 .808 .834 .850 .857 .865 .910 .915 .930 .953 .965

Y/BW .299 .364 .427 .534 .673 .780 .837
X/CW .000 -.2250 -.1250 .2660 .6340 .5690 .5910 .5080
.090 .061 .086 .104 .130 .177 .229 .246 .250 .362 .400 .412 .497 .550 .565 .610 .650 .700 .725 .750 .760 .775 .808 .834 .850 .857 .865 .910 .915 .930 .953 .965

Y/BW .299 .364 .427 .534 .673 .780 .837
X/CW .000 -.2250 -.1250 .2660 .6340 .5690 .5910 .5080
.090 .061 .086 .104 .130 .177 .229 .246 .250 .362 .400 .412 .497 .550 .565 .610 .650 .700 .725 .750 .760 .775 .808 .834 .850 .857 .865 .910 .915 .930 .953 .965

Y/BW .299 .364 .427 .534 .673 .780 .837
X/CW .000 -.2250 -.1250 .2660 .6340 .5690 .5910 .5080
.090 .061 .086 .104 .130 .177 .229 .246 .250 .362 .400 .412 .497 .550 .565 .610 .650 .700 .725 .750 .760 .775 .808 .834 .850 .857 .865 .910 .915 .930 .953 .965

Y/BW .299 .364 .427 .534 .673 .780 .837
X/CW .000 -.2250 -.1250 .2660 .6340 .5690 .5910 .5080
.090 .061 .086 .104 .130 .177 .229 .246 .250 .362 .400 .412 .497 .550 .565 .610 .650 .700 .725 .750 .760 .775 .808 .834 .850 .857 .865 .910 .915 .930 .953 .965

MACH (4) = 1.246 ALPHAT(5) = .040

Y/BW .299 .364 .427 .534 .673 .780 .837
X/CW .000 -.2250 -.1250 .2660 .6340 .5690 .5910 .5080
.090 .061 .086 .104 .130 .177 .229 .246 .250 .362 .400 .412 .497 .550 .565 .610 .650 .700 .725 .750 .760 .775 .808 .834 .850 .857 .865 .910 .915 .930 .953 .965

Y/BW .299 .364 .427 .534 .673 .780 .837
X/CW .000 -.2250 -.1250 .2660 .6340 .5690 .5910 .5080
.090 .061 .086 .104 .130 .177 .229 .246 .250 .362 .400 .412 .497 .550 .565 .610 .650 .700 .725 .750 .760 .775 .808 .834 .850 .857 .865 .910 .915 .930 .953 .965

DATE 20 SEP 73

TABULATED PRESSURE DATA - IASA
ANES 11-707 IAS OEA + S3 + T9 LOWER WING

(RBMLO2)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (4) = 1.244 ALPHAT(6) = 2.130

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.550							
.565			.0270	.0610	-.0200		
.600							-.0840
.650						-.0570	
.700	-.0400			-.1140			
.725						-.1610	-.1950
.750			-.2120	-.1700	-.2230		
.760							
.775			-.2360				
.808							
.834	-.2460			-.2960	-.2400	-.2970	
.850			-.3550				
.857							-.2730
.885	-.4010			-.3660			
.900	-.4450		-.4810				
.905				-.4350	-.3660	-.3750	
.950			-.4170				
.953							
.965	-.2640						
Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000							
.020	-.3200	-.3050	.2920	.5650	.5400	.5460	.3960
.061			.3690	.3180	.3140	.2700	.3440
.086		-.0620					
.094	-.0700			.2640	.2610	.2350	.2740
.150							
.177	-.0700		.2840				
.223							
.246		.2650					
.250							
.362	.1980			.1660	.2120	.2360	.2530
.400							
.412			.0630	.1210	.1940		.1890
.497							
.550	.2270			.0820	.1280		
.565			.0440				-.1460
.640							
.650						-.0190	
.700	-.0090			-.0710	-.1630		
.725							-.1060
.750			-.1990				-.1610
.760				-.1850	-.1520		
.775							

MACH (4) = 1.244 ALPHAT(7) = 3.970

TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 02A + S3 + T9 LOWER WING

(RBM402)

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACN (4) = 1.245 ALPHAT(0) = 5.980

Y/BM .299 .364 .427 .534 .673 .780 .887
X/CN .985 -.2080

MACN (4) = 1.247 ALPHAT(0) = 7.980

Y/BM .299 .564 .427 .534 .673 .780 .887
X/CN -.4080 -.3880 .0550 .4100 .4730 .4710 .5550

.090 .090 .4640
.081 .0330
.086
.084 -.0140
.190
.177 .3390
.229 .0120
.246 .2080
.250
.362 .2200
.410
.412 .1790
.497 .2480
.550
.565 .1120
.620
.650
.707 .1180
.725
.750
.760
.775
.808
.834
.850
.857
.865
.910
.915
.940
.953
.965

.3670 .3040 .4450 .4400
.2390 .3710 .4220 .3850
.3070 .3140 .2940
.1410 .0790
-.1050
-.0710 -.1060
-.1810 -.1500
-.2400
-.2990 -.2300 -.2210
-.3590
-.3680
-.4810
-.4220 -.3530 -.3130
-.4350

.299 .364 .427 .534 .673 .780 .887
X/CN -.0640 -.0790 .0680 .4440 .4190 .3720 .4140
.090
.081
.086
.094 -.1290
-.1910

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DATE 20 SEP 75

TABULATED PRESSURE DATA - 1A9A

(RBM-12)

AMES 11-707 1A9 OCA + S3 + T9 LOWER WING

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (5) = 1.396 ALPHAT(2) = -9.975

Y/BA X/CA	.299	.364	.427	.534	.673	.780	.887
.950							
.965							
.980							
.995							
.010							
.025							
.040							
.055							
.070							
.085							
.100							
.115							
.130							
.145							
.160							
.175							
.190							
.205							
.220							
.235							
.250							
.265							
.280							
.295							
.310							
.325							
.340							
.355							
.370							
.385							
.400							
.415							
.430							
.445							
.460							
.475							
.490							
.505							
.520							
.535							
.550							
.565							
.580							
.595							
.610							
.625							
.640							
.655							
.670							
.685							
.700							
.715							
.730							
.745							
.760							
.775							

MACH (5) = 1.396 ALPHAT(3) = -3.980

Y/BA X/CA	.299	.364	.427	.534	.673	.780	.887
.950							
.965							
.980							
.995							
.010							
.025							
.040							
.055							
.070							
.085							
.100							
.115							
.130							
.145							
.160							
.175							
.190							
.205							
.220							
.235							
.250							
.265							
.280							
.295							
.310							
.325							
.340							
.355							
.370							
.385							
.400							
.415							
.430							
.445							
.460							
.475							
.490							
.505							
.520							
.535							
.550							
.565							
.580							
.595							
.610							
.625							
.640							
.655							
.670							
.685							
.700							
.715							
.730							
.745							
.760							
.775							

DATE 20 SEP 75 TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 02A + S3 + T9 LOWER WING

(REML02)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (5) = 1.396 ALPHAT(3) = -3.980

(REML02)

Y/BW

X/CW

.016
.034
.050
.057
.065
.070
.075
.080
.085
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.095
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.980
.985
.990
.995
1.000

MACH (5) = 1.396 ALPHAT(4) = -1.990

Y/BW

X/CW

.000
.005
.010
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.020
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.935
.940
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.950
.955
.960
.965
.970
.975
.980
.985
.990
.995
1.000

TABULATED PRESSURE DATA - 1A9A

SEP 73

AMES 11-707 1A9 OEA + S3 + T9 LOWER WING

(RPM 152)

DEPENDENT VARIABLE CP

Y/BW

Y/BW

Y/BW

Y/BW

Y/BW

Y/BW

Y/BW

Y/BW

Y/BW

Y/BW

Y/BW

Y/BW

Y/BW

Y/BW

Y/BW

Y/BW

Y/BW

Y/BW

Y/BW

Y/BW

Y/BW

Y/BW

Y/BW

Y/BW

Y/BW

Y/BW

Y/BW

Y/BW

Y/BW

Y/BW

Y/BW

Y/BW

Y/BW

Y/BW

Y/BW

Y/BW

MACH (5) = 1.333 ALPHAT(6) = 2.000

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW	-.3330						
Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW	-.1890	-.1250	.2390	.6100	.5830	.6110	.5670
	.0000			.0670	-.0680	-.1370	.1000
	.0900		.0710				
	.0810	-.0290					
	.0860						
	.0940	-.0280		.1010	.1030	.2310	.2040
	.1900		.1900				
	.1770	-.0680					
	.2290	.0170					
	.2460			.1470	.1800	.2400	.2080
	.2900	-.0380		.1690	.1780		.2700
	.3620		.1680				
	.4000						
	.4020						
	.4970	.1920		.0970	-.0110		
	.5900		.0280				.0030
	.5650						
	.6000						
	.6900	.0120		-.1030		-.1240	-.1530
	.7000						
	.7250						
	.7900		-.1110				
	.7800			-.1640	-.1700		
	.7750		-.1470				
	.8080						
	.8340	-.1270		-.2420	-.2220	-.2390	
	.8900						
	.8570						
	.8650	-.2740		-.2630			-.2110
	.9000	-.3580					
	.9150		-.3460				
	.9500			-.3140	-.3050	-.3090	
	.9530						
	.9650	-.3280		-.3670			
Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW	-.1890	-.1240	.2660	.6470	.6120	.6430	.5360
	.0000			.1240	.1350	.2580	.2650
	.0900		.1310				
	.0810						
	.0860	-.1010					
	.0940						

DATE 20 SEP 73

TABLED PRESSURE WITH

AMES 11-707 1A9 02A + S3 + T9 LOWER WING

(RBM102)

SECTION (1) LOWER WING

MACH (5) = 1.394 ALPHAT(7) = 3.960

DEPENDENT VARIABLE CP

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW				.0800	.0270		
.590			.0650				.0440
.565						.0190	
.600							
.650	.0230			-.0690	-.0560		
.700			-.0900			-.0790	-.1140
.725			-.1250				
.750				-.1300	-.1070		
.760							
.775							
.806	-.1170						
.834			-.2360	-.1840	-.1840	-.1840	
.850							
.857							
.865	-.2700			-.2380			-.1800
.900	-.3550		-.3440				
.905				-.2980	-.2800	-.2570	
.910			-.3550				
.953							
.965	-.2840						
Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.2290	-.2880	.1820	.6500	.5870	.5720	.3950
.050			.3110	.4160	.4450	.3860	.4790
.081		-.0120					
.086							
.094	.0230			.3660	.3670	.3020	.3790
.150			.3870				
.177							
.229	.0030						
.246		.1420		.2710	.2110	.3490	.3470
.250							
.362	.0330			.1850	.2750		.3020
.410							
.402			.1430				
.497	.2950						
.550				.1110	.1570		
.565			.1100				.1820
.620						.0580	
.650							
.710	.0480			-.1440	-.0090		
.725							
.750						-.1320	-.1780
.760			-.1690	-.1490	-.1840		
.775							

MACH (5) = 1.396 ALPHAT(8) = 6.030

C6

TABULATED PRESSURE DATA - 1A9A

DATE 21 SEP 73

AMES 11-707 1A9 O2A + S3 + T9 LOWER WING (RBM452)

DEPENDENT VARIABLE CP

SECTION: (1) LOWER WING

MACH (9) = 1.391 ALPHAT(9) = 7.990
 Y/BW .299 .427 .534 .673 .780 .887
 X/CW .965 -.2440

TABLED PRESSURE DATA - 1A9A

AVES 11-707 1A9 02A + S3 + T9 LOWER WING

(RBM 03) (27 APR 73)

REFERENCE DATA

987	•	2.4210	98.57.	YARP	=	28.5300	INCHES
107	•	39.8490	INCHES	YARP	=	.0000	INCHES
817	•	39.8490	INCHES	ZARP	=	.0000	INCHES
SCALE	•	.0000 SCALE					

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

$$\text{BATCH} (1) = .599 \quad \text{BETAT} (1) = -8.050$$

Y/BW	.299	.364	.427	.534	.675	.760	.887
N/CW							
.000	-.0500	-.1260	.2650	.3550	.2550	.1060	.1560
.050				-.3930	-.5120	-.6430	-.6670
.081			-.1480				
.096		-.0070					
.094	-.0560						
.150							
.177			-.1480				
.229	.0200						
.246		-.0160					
.250							
.362	.0570						
.400							
.402			-.2450				
.497	-.0530						
.550							
.565			-.3550				
.600							
.650							
.700	-.3660						
.725							
.750							
.760			-.3680				
.775			-.2560				
.808							
.834	-.3360						
.851							
.857			-.2220				
.865	-.2670						
.940	-.1890						
.905			-.1300				
.930							
.953			-.0140				
.965	-.1060						
Y/BW	.299	.364	.427	.534	.675	.760	.887
N/CW							
.000	-.0600	-.1510	.2190	.2630	.1630	.0310	.0240
.050				-.4360	-.5450	-.6670	-.6920
.081			-.1620				
.086							
.094							
.150							
.194	-.0560						

TABULATED PRESSURE DATA - 1A9A

AVES 11-707 1A9 Q2A + S3 + T9 LOWER WING

(RBK4.03)

DEPENDENT VARIABLE CP

SECTION 1) LOWER WING

MAC= 1 = .596 BETAT (3) = -4.020

Y/BW	Y/CW	.299	.364	.427	.534	.673	.780	.887
.590								
.565								
.600								
.650								
.700								
.725								
.750								
.780								
.775								
.808								
.834								
.850								
.857								
.865								
.900								
.905								
.950								
.953								
.965								
.299	.364	.427	.534	.673	.780	.887		
.000	.1720	.1470	.1610	.0970	-.1390	-.1210		
.050								
.061								
.066								
.094								
.150								
.177								
.229								
.246								
.250								
.362								
.400								
.412								
.497								
.550								
.565								
.610								
.650								
.700								
.725								
.750								
.760								
.775								

MAC= 1 = .996 BETAT (4) = -2.000

Y/BW	Y/CW	.299	.364	.427	.534	.673	.780	.887
.000								
.050								
.061								
.066								
.094								
.150								
.177								
.229								
.246								
.250								
.362								
.400								
.412								
.497								
.550								
.565								
.610								
.650								
.700								
.725								
.750								
.760								
.775								

DATE 25 SEP 73

TABULATED PRESSURE DATA - 1A9A
ANES 11-707 1A9 02A + S3 + T9 LOWER WING

(RBNL03)

SECTION (1) LOWER WING		DEPENDENT VARIABLE CP					
MACH (1) = .998	BETAT (5) = .020	Y/BW X/CW	.299 -.1650	.364 -.1650	.427 -.2350	.534 -.5550	.673 -.8400
MACH (1) = .998	BETAT (6) = 2.060	Y/BW X/CW	.299 -.1650	.364 -.1650	.427 -.2350	.534 -.5550	.673 -.8400
		.000					
		.050					
		.081					
		.106					
		.134					
		.150					
		.177					
		.229					
		.246					
		.290					
		.362					
		.400					
		.402					
		.497					
		.530					
		.565					
		.600					
		.650					
		.700					
		.725					
		.750					
		.760					
		.775					
		.808					
		.834					
		.850					
		.857					
		.865					
		.921					
		.915					
		.951					
		.953					
		.965					
MACH (1) = .998	BETAT (7) = 4.100	Y/BW X/CW	.299 -.1650	.364 -.1650	.427 -.2350	.534 -.5550	.673 -.8400
		.000					
		.050					
		.081					
		.106					
		.134					
		.150					
		.177					
		.229					
		.246					
		.290					
		.362					
		.400					
		.402					
		.497					
		.530					
		.565					
		.600					
		.650					
		.700					
		.725					
		.750					
		.760					
		.775					
		.808					
		.834					
		.850					
		.857					
		.865					
		.921					
		.915					
		.951					
		.953					
		.965					

DATE 29 SEP 73 TABULATED PRESSURE DATA - 1A9A

ANES 11-707 1A9 02A + S3 + T9 LOWER WING

(RDMLOS)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = .598 BETAT (7) = 4.100

Y/BW	X/CW	.299	.364	.427	.534	.673	.780	.887
.150								
.177								
.229								
.246								
.250								
.362								
.400								
.402								
.497								
.550								
.565								
.600								
.650								
.700								
.725								
.750								
.760								
.775								
.808								
.834								
.850								
.857								
.865								
.900								
.905								
.950								
.953								
.965								
.299								
.364								
.427								
.534								
.673								
.780								
.887								
.000								
.050								
.161								
.086								
.194								
.150								
.177								
.229								
.246								
.250								
.362								
.400								
.402								
.497								

MACH (1) = .598 BETAT (8) = 6.140

Y/BW	X/CW	.299	.364	.427	.534	.673	.780	.887
.000								
.050								
.161								
.086								
.194								
.150								
.177								
.229								
.246								
.250								
.362								
.400								
.402								
.497								

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 02A + S3 + T9 LOWER WING

(RBM4.03)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = .999 BETAT (9) = 0.180

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.808			-.2150				
.834	-.2520			-.2580	-.2110	-.1810	
.850							
.857							
.865	-.2380			-.1710			-.1070
.900	-.2300						
.905				-.1930	-.0200	-.0040	
.930							
.953				-.1720			
.965	-.2160						

MACH (2) = .901 BETAT (1) = 0.140

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000							
.000							
.081							
.086							
.094							
.150							
.177							
.229							
.246							
.250							
.362	.1970			-.1770	-.2350	-.2230	-.3320
.410				-.1280	-.2010		-.3350
.412							
.497	.1160			-.2830	-.4280		
.550							
.565				-.2830			-.4330
.600							
.650						-.4710	
.710				-.5840			
.725	-.2130						
.750				-.5840			-.5330
.760							
.775				-.7780	-.6780	-.6660	
.808				-.4150			
.834	-.4130						
.850							
.857				-.1780			
.865	-.4210			-.1680	-.1340	-.1110	
.900	-.2360						
.905				-.0740			-.1590
.950				-.0640			
.953				.0120	.0170	.0130	
.955				.0120			

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A

AVES 11-707 1A9 ORA + S3 + T9 LOWER WING

(RBNL03)

SECTION (1) LOWER WING	DEPENDEN	Y	3LE CP						
MACH (2) = .901 BETAT (1) = -0.140	Y/BW	.299	.364	.427	.534	.673	.785	.807	
	X/CW	.965	-.0510						
MACH (2) = .900 BETAT (2) = -6.100	Y/BW	.299	.364	.427	.534	.673	.785	.807	
	X/CW	-.0270	-.0660	.3660	.4990	.4220	.3340	.3230	
		.000			-.2730	-.4840	-1.1520	-.7950	
		.050		-.0140					
		.081							
		.086		.0960					
		.084	-.0140						
		.190							
		.177		-.0330	-.1120	-.3510	-.3320	-.5170	
		.229	.0840						
		.246	.1040		-.2230	-.3160	-.2760	-.4430	
		.250			-.1800	-.2340		-.3710	
		.362	.1730						
		.400		-.2420					
		.412							
		.497	.0740		-.3140	-.4400			
		.530		-.3020				-.4290	
		.565							
		.600							
		.650							
		.700	-.2300		-.5990	-.6010			
		.725							
		.750							
		.760		-.7120					
		.775		-.3660	-.5730	-.6870			
		.808							
		.834	-.3170		-.1420	-.1250	-.0990		
		.850							
		.857		-.1630					
		.865	-.3980						
		.900	-.2160		-.0330			-.0510	
		.905		-.0520					
		.950			.0510	.0900	.0970		
		.953		.0200					
		.965	-.0550						
MACH (2) = .900 BETAT (3) = -4.050	Y/BW	.299	.364	.427	.534	.673	.785	.807	
	X/CW	-.0260	-.1130	.3220	.4430	.3570	.2560	.2300	
		.000			-.3260	-.5170	-1.2590	-.9750	
		.081		-.0440					
		.086	.0430						
		.094							

DATE 21 SEP 73

TABULATED PRESSURE DATA - 1A9A

(FBI-03)

AMES 11-7J7 1A9 Q2A + S3 + T9 LOWER WING

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

$$\text{GETAT} (3) = -4.050$$

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW				-.1480	-.4060	-.3920	-.6190
.180			-.10750				
.177	.0690						
.229		.0820					
.246				-.2690	-.3700	-.3530	-.5480
.230							
.362	.1510			-.2480	-.2830		-.3760
.400			-.2920				
.402	.0290			-.3340	-.4670		
.497			-.3070				
.550							
.565							
.600							
.650							
.700	-.2490			-.6180	-.5970		-.4050
.725						-.5760	-.4250
.750			-.5010				
.780			-.3240	-.3590	-.6550		
.775							
.808							
.834	-.2890			-.1220	-.1020	-.0780	
.850			-.1550				
.857							
.865	-.3520			-.0210			-.0320
.900	-.2080		-.0460				
.905				.0560	.0920	.0990	
.950			.0300				
.953							
.965	-.1630						
Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.180	-.10220	-.1010	.2890	.3850	.2840	.1850	.1650
.181				-.3730	-.5700	-1.22	-.15120
.186			-.1650				
.194	-.03480						
.150				-.1760	-.4020	-.4480	-.7140
.177			-.1100				
.229	.0630						
.246		.0590		-.2960	-.4150	-.4140	-.5550
.250							
.362	.1310			-.2960	-.3410		-.4240
.400			-.3340				
.402							
.497	-.0130						

MACH (2) = .898 BETAT (4) = -2.120

Y/BW	.299	.364	.427	.534	.673	.763	.800
X/CW	-.10220	-.10110	.2890	.3085	.2845	.1855	.1655
.144				-.3735	-.5710	-1.22	-1.5025
.150							
.181							
.186							
.194							
.150							
.177							
.246							
.255							
.362							
.412							
.497							

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A
AMES 11-707 1A9 Q2A + S3 + T9 LOWER WING

(RBM403)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = .098 BETAT (4) = -2.020

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							
.808							
.834							
.857							
.865							
.900							
.905							
.950							
.953							
.965							

MACH (2) = .098 BETAT (5) = 2.080

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.020							
.050							
.081							
.086							
.094							
.150							
.177							
.229							
.246							
.250							
.362							
.410							
.412							
.497							
.550							
.565							
.610							
.650							
.700							
.725							
.750							
.760							
.775							

DATE 20 SEP 73		TABULATED PRESSURE DATA - 1A9A		AMES 11-707 1A9 OCA + S3 + T9 LOWER WING		(RBMLO3)	
SECTION (1) LOWER WING		DEPENDENT VARIABLE CP					
MACH (2) = .660	BETAT (6) = 4.140	Y/BW	.299	.364	.427	.534	.673
		X/CW	.965	-.1800			
		Y/BW	.299	.364	.427	.534	.673
		X/CW	.965	-.1800			
		Y/BW	.299	.364	.427	.534	.673
		X/CW	.965	-.1800			
		Y/BW	.299	.364	.427	.534	.673
		X/CW	.965	-.1800			
		Y/BW	.299	.364	.427	.534	.673
		X/CW	.965	-.1800			
		Y/BW	.299	.364	.427	.534	.673
		X/CW	.965	-.1800			
		Y/BW	.299	.364	.427	.534	.673
		X/CW	.965	-.1800			
		Y/BW	.299	.364	.427	.534	.673
		X/CW	.965	-.1800			
MACH (2) = .900	BETAT (7) = 6.210	Y/BW	.299	.364	.427	.534	.673
		X/CW	.965	-.1800			
		Y/BW	.299	.364	.427	.534	.673
		X/CW	.965	-.1800			
		Y/BW	.299	.364	.427	.534	.673
		X/CW	.965	-.1800			
		Y/BW	.299	.364	.427	.534	.673
		X/CW	.965	-.1800			
		Y/BW	.299	.364	.427	.534	.673
		X/CW	.965	-.1800			
		Y/BW	.299	.364	.427	.534	.673
		X/CW	.965	-.1800			
		Y/BW	.299	.364	.427	.534	.673
		X/CW	.965	-.1800			
		Y/BW	.299	.364	.427	.534	.673
		X/CW	.965	-.1800			
MACH (2) = .900	BETAT (8) = 8.270	Y/BW	.299	.364	.427	.534	.673
		X/CW	.965	-.1800			
		Y/BW	.299	.364	.427	.534	.673
		X/CW	.965	-.1800			
		Y/BW	.299	.364	.427	.534	.673
		X/CW	.965	-.1800			
		Y/BW	.299	.364	.427	.534	.673
		X/CW	.965	-.1800			
		Y/BW	.299	.364	.427	.534	.673
		X/CW	.965	-.1800			
		Y/BW	.299	.364	.427	.534	.673
		X/CW	.965	-.1800			
		Y/BW	.299	.364	.427	.534	.673
		X/CW	.965	-.1800			
		Y/BW	.299	.364	.427	.534	.673
		X/CW	.965	-.1800			

DATE 20 SEP 75

TABULATED PRESSURE DATA - 1A9A
ANES 11-707 1A9 02A + S3 + T9 LOWER WING

(RBM4.03)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (3) = 1.101 BETAT (1) = -0.170

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							
.818							
.834							
.850							
.857							
.865							
.900							
.905							
.920							
.953							
.965							

MACH (3) = 1.100 BETAT (2) = -0.120

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000							
.050							
.081							
.086							
.094							
.150							
.177							
.229							
.246							
.250							
.362							
.414							
.412							
.497							
.550							
.565							
.621							
.650							
.710							
.725							
.750							
.760							
.775							

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

(RBML03)

AMES 11-707 IAS OCA + S3 + T9 LOWER WING

SECTION (1) LOWER WING		DEPENDENT VARIABLE CP							
MACH (3) = 1.100 BETAT (2) = -6.120		Y/BW		X/CW					
		.806		.299		.364		.427	
		.834		-.4020		.534		.673	
		.850				-.3970		.760	
		.857				-.5750		.887	
		.865		-.5770		-.4950		-.5190	
		.900		-.4460		-.2550		-.5110	
		.905				-.2650		-.4400	
		.950				-.2400		-.4940	
		.953				-.2190			
		.965							
		Y/BW		.299		.364		.427	
		X/CW		-.1700		-.3280		.4090	
		.010				.1160		.5880	
		.061				-.1340		-.1940	
		.066						-.3680	
		.094		-.2220		.0240		-.7260	
		.150				.0980		-.6600	
		.177							
		.229		-.1310					
		.246				.2010		-.1280	
		.250						-.1580	
		.362		.2470				-.1680	
		.400				-.0890			
		.402							
		.497		.2070		-.1840		-.2580	
		.550							
		.565				-.1880			
		.600							
		.650						-.3140	
		.700		-.2080				-.4050	
		.725				-.4170		-.4070	
		.750							
		.760				-.4420		-.4940	
		.775				-.4160			
		.818							
		.834		-.4090		-.5410		-.5490	
		.850							
		.857		-.5870					
		.865				-.2800			
		.900		-.4010				-.4540	
		.905				-.2520			
		.950				-.2370		-.2800	
		.953				-.2280			

MACH (3) = 1.102 BETAT (3) = -4.080

DATE 20 SEP 73		TABULATED PRESSURE DATA - IAGA		AMES 11-707 IAG ORA + S3 + T9 LOWER WING		(REMLDS)			
SECTION (1) LOWER WING		DEPENDENT VARIABLE CP							
MACH (3) = 1.102 BETAT (3) = -4.080		Y/BW	.299	.364	.427	.534	.673	.780	.887
		X/CW	.965	-.2150					
MACH (3) = 1.100 BETAT (4) = -2.030		Y/BW	.299	.364	.427	.534	.573	.780	.887
		X/CW	.000	-.2190	.3610	.5360	.4660	.3620	.3970
			.050			-.2160	-.4530	-.7410	-.6960
			.061		.1140				
			.096	.0010					
			.094	-.2130		-.0200	-.2540	-.2680	-.4700
			.190		.0640				
			.177						
			.229	-.0670	.1610				
			.246			-.0790	-.1420	-.2120	-.3590
			.230	.2170		-.1370	-.1430		-.1610
			.362						
			.400		-.1230				
			.402						
			.497	.1610		-.2170	-.2970		
			.550		-.2230				-.2330
			.565					-.3290	
			.600			-.4500			
			.690	-.2630				-.4260	-.4270
			.700						
			.725						
			.750						
			.760		-.4750				
			.775		-.4330		-.4820	-.5160	
			.806						
			.834	-.4400					
			.890			-.5400	-.5760	-.5540	
			.857		-.5630				
			.865	-.5170					-.4640
			.910	-.3930		-.2310			
			.915			-.2620			
			.930			-.2360	-.2640	-.5600	
			.953		-.2220				
			.965	-.2290					
MACH (3) = 1.099 BETAT (5) = .080		Y/BW	.299	.364	.427	.534	.673	.780	.887
		X/CW							
			.1910	-.2640	-.3640	.3430	.4900	.4060	.3180
			.150						
			.161			-.2410	-.4910	-.7750	-.7390
			.166						
			.194	-.2170	.1960				

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

(0004103)

AMES 11-707 1A9 02A + S3 + T9 LOWER WING

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (3) = 1.099 BETAT (5) = .020

Y/BW X/CW	.299	.364	.427	.534	.673	.760	.887
.190							
.177			.0220				
.229	-.0090						
.246		.1900					
.250							
.362	.1700						
.400							
.402			-.1690				
.497	.0990						
.550							
.565							
.600							
.650							
.700	-.3090						
.725							
.750							
.760							
.775							
.808							
.834	-.4750						
.850							
.857							
.865	-.4070						
.900	-.3890						
.905							
.950							
.955							
.965	-.2200						
Y/BW X/CW	.299	.364	.427	.534	.673	.760	.887
.000							
.090	-.3080	-.3690	.3200	.4510	.5520	.2480	.2660
.081							
.106		.0340	.0930				
.194	-.2460						
.150							
.177							
.229	.0270						
.246		.1410					
.250							
.362	.1530						
.400							
.402							
.497							

MACH (3) = 1.101 BETAT (6) = 2.090

Y/BW X/CW	.299	.364	.427	.534	.673	.760	.887
.000							
.090	-.3080	-.3690	.3200	.4510	.5520	.2480	.2660
.081							
.106		.0340	.0930				
.194	-.2460						
.150							
.177							
.229	.0270						
.246		.1410					
.250							
.362	.1530						
.400							
.402							
.497							

DATE 20 SEP 75

TABULATED PRESSURE DATA - 1A9A
AMES 11-707 1A9 02A + S3 + T9 LOWER WING

(RBM103)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (3) = 1.101 BETAT (6) = 2.090

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.590							
.565							
.800							
.650							
.700							
.725							
.750							
.775							
.808							
.834							
.850							
.857							
.865							
.900							
.905							
.930							
.953							
.965							

MACH (3) = 1.100 BETAT (7) = 4.160

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000							
.050							
.081							
.086							
.094							
.150							
.177							
.229							
.246							
.250							
.362							
.400							
.412							
.497							
.550							
.565							
.670							
.690							
.700							
.725							
.750							
.760							
.775							

DATE 20 SEP 75

TABULATED PRESSURE DATA - 1A9A

(NORMALD)

AMES 11-707 1A9 OZA + S3 + T9 LOWER WING

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (3) = 1.100 BETAT (7) = 4.180

Y/BW X/CW	.259	.364	.427	.534	.673	.780	.867
.608			-.4770				
.634	-.3920			-.6080	-.9500	-.5500	
.650			-.4360				
.657				-.3260			-.4940
.665	-.3260						
.670	-.3070		-.3660	-.2700	-.2650	-.5380	
.675			-.1930				
.680							
.685	-.2430						
.690							
.695							
.700							
.705							
.710							
.715							
.720							
.725							
.730							
.735							
.740							
.745							
.750							
.755							
.760							
.765							
.770							
.775							
.780							
.785							
.790							
.795							
.800							
.805							
.810							
.815							
.820							
.825							
.830							
.835							
.840							
.845							
.850							
.855							
.860							
.865							
.870							
.875							
.880							
.885							
.890							
.895							
.900							
.905							
.910							
.915							
.920							
.925							
.930							
.935							
.940							
.945							
.950							
.955							

MACH (3) = 1.100 BETAT (8) = 6.240

Y/BW X/CW	.259	.364	.427	.534	.673	.780	.867
.608							
.634							
.650							
.657							
.665							
.670							
.675							
.680							
.685							
.690							
.695							
.700							
.705							
.710							
.715							
.720							
.725							
.730							
.735							
.740							
.745							
.750							
.755							
.760							
.765							
.770							
.775							
.780							
.785							
.790							
.795							
.800							
.805							
.810							
.815							
.820							
.825							
.830							
.835							
.840							
.845							
.850							
.855							
.860							
.865							
.870							
.875							
.880							
.885							
.890							
.895							
.900							
.905							
.910							
.915							
.920							
.925							
.930							
.935							
.940							
.945							
.950							
.955							

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A

(RDM4US)

AMES 11-707 1A3 ORA + S3 + T9 LOWER WING

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (3) = 1.103 BETAT (8) = 6.240

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.965	-.2600						

MACH (3) = 1.101 BETAT (9) = 7.800

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.4580	-.3870	.2900	.3620	.2230	.0740	.0840
.050			.0940	-.1850	-.4770	-.8710	-.6910
.081		.0220					
.086	-.2920						
.094				-.1150	-.2120	-.4300	-.7360
.150			.0040				
.177							
.229	-.0160						
.246		.1080					
.250				-.1720	-.2470	-.3270	-.7010
.362	.0900			-.1980	-.2220		-.0710
.400							
.402			-.1850				
.497	.0340						
.550				-.2670	-.3320		
.565			-.2570				
.600						-.3820	-.3020
.680	-.2340			-.4920			
.700					-.4560		
.725						-.4580	-.4340
.750							
.760							
.775							
.818							
.834	-.2920						
.850							
.857							
.865	-.2960						
.900	-.2830						
.905							
.950							
.953							
.965	-.2670						

MACH (4) = 1.248 BETAT (1) = -8.130

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.140	.0070	-.0650	.2950	.6740	.6410	.6150	.5910
.050				-.3770	-.3830	-.4550	-.3850
.181		-.0780	.1530				
.186							
.194	-.0480						

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A
ANES 11-707 1A9 OZA + S3 + T9 LOWER MING

(REMARKS)

SECTION (1) LOWER MING

DEPENDENT VARIABLE CP

MACH (4) = 1.248 BETAT (1) = -8.130

Y/BW X/CH	.299	.364	.427	.534	.673	.785	.887
.150			.0360				
.177							
.229	-.0480	.0280					
.246							
.250				.1430	-.2060	-.5685	-.3620
.362	-.0330			.1270	.1620	-.0150	-.2770
.400				.1280	.1010		.0000
.412			.1160				
.497	.3190			.0130	-.0990		
.550			.0190				-.0590
.565							
.600							
.650						-.1510	
.700	.0070			-.2030			
.725							-.2290
.750							-.2370
.760							
.775							
.806							
.834	-.1900						
.850							
.857							
.865	-.3690						
.900	-.4740						
.925							
.950							
.953							
.965	-.3940						
Y/BW	.299	.364	.427	.534	.673	.785	.887
X/CH	-.0310	-.1270	.1990	.6090	.5770	.5430	.5390
.050				-.4400	-.4640	-.4700	-.4090
.181							
.186							
.184							
.150							
.177							
.229							
.246							
.250							
.362							
.400							
.412							
.497							
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							
.806							
.834							
.850							
.857							
.865							
.900							
.925							
.950							
.953							
.965							

MACH (4) = 1.248 BETAT (2) = -6.080

Y/BW X/CH	.299	.364	.427	.534	.673	.785	.887
.100							
.050							
.181							
.186							
.184							
.150							
.177							
.229							
.246							
.250							
.362							
.400							
.412							
.497							
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							
.806							
.834							
.850							
.857							
.865							
.900							
.925							
.950							
.953							
.965							

DEPENDENT VARIABLE	CP
--------------------	----

MB/1

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.590							
.565							
.600							
.690							
.700	-.0290						
.725							
.790							
.760							
.775							
.808							
.834	-.2120						
.850							
.857							
.865	-.3640						
.900	-.4850						
.905							
.950							
.953							
.965	-.3530						
Y/BW	.599	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0810	-.1690	.1370	.5400	.5170	.4960	.4830
.050							
.081							
.106							
.184							
.150							
.177							
.229	-.1540						
.246							
.281							
.362	-.0910						
.402							
.402							
.497	.2240						
.551							
.565							
.614							
.651							
.714	-.0810						
.725							
.751							
.761							
.775							

$$\text{BATCH (4)} = 1.243 \quad \text{BETAT (3)} = -4.050$$
[illegible]

DATE 24 SEP 73 TABULATED PRESSURE DATA - 149A

AMES 11-707 149 OEA + 53 + 79 LOWER WING

(NOMLUS)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (4) = 1.245 BETAT (3) = -4.050

Y/BW X/CW	.299	.364	.427	.534	.673	.760	.887
.818			-.2940				
.834	-.2520						
.850				-.4100	-.3950	-.3850	
.857			-.3980				
.865	-.4180						
.910	-.5080			-.4350			-.3370
.915			-.5240				
.930				-.4920	-.4750	-.4600	
.953			-.3400				
.985	-.3590						

MACH (4) = 1.246 BETAT (4) = -2.080

Y/BW X/CW	.299	.364	.427	.534	.673	.760	.887
.000	-.1150	-.1980	.0610	.4750	.4750	.4420	.4250
.050				-.4950	-.3610	-.5380	-.4920
.081		-.1770	-.0910				
.086							
.094	-.1570			.1250	-.3610	-.2060	-.4750
.150			.0160				
.177		-.1710					
.229			-.0940				
.246				.0130	-.1130	-.1630	-.3970
.250							
.362	-.1030			-.5270	-.0100		-.0590
.400			-.1620				
.412		.1860					
.497			-.1120	-.1310	-.1560		
.550							
.565							
.640							
.650						-.2420	
.700	-.1240				-.3150		
.725				-.3100			-.3100
.750			-.3530				
.760				-.3640	-.3710		
.775			-.3370				
.848							
.834	-.2840						
.850				-.4450	-.4230	-.4170	
.857			-.4260				
.865	-.4370						
.910	-.4490			-.4730			-.3740
.915			-.5410				
.950				-.5160	-.5120	-.5050	
.953			-.3850				

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 O2A + S3 + T9 LOWER WING

(RBH403)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (4) = 1.246 BETAT (4) = -2.020

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.965	-.3790						

MACH (4) = 1.247 BETAT (5) = 2.080

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.2010	-.2140	-.0240	.4090	.3630	.3170	.3100
.050				-.4010	-.4540	-.5760	-.5540
.081			-.0020				
.086		-.2160					
.094	-.1810			-.0340	-.3670	-.2920	-.5370
.130			.0090				
.177							
.229	-.1910	.0210					
.246				-.1010	-.0910	-.2310	-.4640
.290							
.362	-.0230			-.1250	-.1070		-.2100
.410			-.1030				
.412							
.497	.0640			-.2160	-.2610		
.550							
.565			-.2120				-.2090
.620						-.2810	
.650		-.2140		-.3560			
.700							
.725						-.3710	-.3560
.750			-.3740				
.760				-.4050	-.4400		
.775			-.3640				
.808							
.834	-.3230			-.4740	-.4740	-.4630	
.850							
.857			-.4790				
.865	-.4480			-.5020			-.4130
.920	-.3140						
.915			-.5710	-.4020	-.5360	-.5360	
.950							
.953			-.3510				
.965	-.3080						

MACH (4) = 1.247 BETAT (6) = 4.140

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.2530	-.2340	-.1030	.3940	.3420	.2710	.2670
.050				-.3040	-.4820	-.6170	-.5630
.081			-.1250				
.086		-.2360					
.130							
.174							

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A

AVES 11-707 1A9 02A + S3 + T9 LOWER WING

(RBM4.03)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (4) = 1.247 BETAT (6) = 4.140

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.190			.0300	-.1000	-.3050	-.3520	-.5560
.177							
.229	-.1960						
.246		.0750					
.250				-.1970	-.1950	-.2660	-.4690
.362	.0470						
.400				-.1400	-.1470		-.2260
.402			-.1340				
.497	-.0150						
.550			-.1980	-.2510	-.2610		
.565							-.1930
.600							
.650						-.2610	
.700	-.2080			-.3590		-.3620	-.3360
.725							
.750			-.3620		-.4300		
.780							
.775			-.3760				
.808							
.834	-.3040			-.4660	-.4570	-.4450	
.850							
.857			-.4730				
.865	-.2630			-.5130			-.3980
.910	-.2530		-.4010				
.925				-.2380	-.4690	-.5060	
.950			-.2680				
.953							
.965	-.2200						
Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.140							
.150	-.3260	-.2560	.0450	.3890	.3520	.2640	.2290
.181				-.2710	-.4710	-.6120	-.5940
.186		-.2380	.0100				
.194							
.150	-.2110			-.1290	-.2380	-.3540	-.5750
.177			.0300				
.229	-.2240						
.246		.0230					
.250				-.1840	-.2100	-.2610	-.4860
.362	.0240						
.400				-.0760	-.0690		-.1980
.402			-.1100				
.497	-.0640						

MACH (4) = 1.248 BETAT (7) = 6.190

(RBMAL03)

TABULATED PRESSURE DATA - 1A9A

AVES 11-707 1A9 ORA + S3 + T9 LOWER WING

DATE 20 SEP 73

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (4) = 1.251 BETAT (0) = 0.250

Y/BW	.299	.364	.427	.534	.675	.760	.807
X/CW							
.809			-.4100				
.834	-.2680			-.5060	-.4720	-.4610	
.850			-.3960				
.857				-.5260			-.4110
.865	-.2760						
.903	-.2680		-.3360				
.905				-.3250	-.5260	-.5190	
.920							
.953			-.2960				
.965	-.2240						

DATE 20 SEP 73 TABULATED PRESSURE DATA - IASA

ANES 11-707 IAS OEA + S3 + T9 LOWER WING

(RPM0.04)

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

MACH (1) = .600 BETAT (5) = .020

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.965	-.0450						

MACH (1) = .599 BETAT (6) = 2.060

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.0520	-.0740	.1780	.2180	.1160	.0030	.0000
.050				-.4390	-.5300	-.6240	-.6200
.081			-.1790				
.096		-.0390					
.094							
.130							
.177			-.2100				
.229	-.0120						
.246		-.0680					
.290				-.2890	-.2800	-.2480	-.2370
.362	-.0180			-.2210	-.2370		-.2210
.400			-.2550				
.402							
.497	-.1700			-.3070	-.3280		
.530			-.2980				-.2550
.565					-.2720		
.600				-.2940		-.2430	-.2480
.690	-.2820						
.700							
.725							
.750			-.3020				
.760				-.2400	-.2590		
.775			-.1960				
.818							
.834	-.2080			-.1860	-.1720	-.1610	
.850			-.1630				
.857							
.865	-.1740						-.1940
.900	-.1320						
.905			-.0910				
.950				.0270	.0250	.0210	
.953			.0230				
.965	-.0790						

MACH (1) = .599 BETAT (7) = 4.090

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.0540	-.0700	.1650	.1950	.1110	.0110	.0050
.050				-.4160	-.5040	-.5780	-.5970
.081			-.1560				
.086		-.0400					
.184	-.0320						

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A
AMES 11-707 IAS OCA + 53 + TS LOWER WING

(MMHG)

SECTION : 1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = .599 BETAT (7) = 4.050

Y/BA
X/BA

.190	.299	.364	.427	.534	.673	.795	.887
.177							
.229	-.0130	-.0810					
.246							
.250							
.362	-.0200						
.400							
.402							
.497	-.1810						
.550							
.565							
.600							
.650							
.700	-.2220						
.725							
.750							
.760							
.775							
.808							
.834	-.1580						
.850							
.857							
.865	-.1530						
.900	-.1430						
.905							
.950							
.955							
.965	-.1290						
Y/BA	.299	.364	.427	.534	.673	.795	.887
X/BA							
.120	-.0600	-.0340	.1680	.1880	.1950	-.1250	-.1330
.150							
.180							
.190							
.196							
.194	-.0340						
.150							
.177							
.229	-.0180						
.246							
.250							
.362	-.0330						
.400							
.402							
.412							
.497	-.1580						

MACH (1) = .610 BETAT (8) = 6.120

Y/BA	.299	.364	.427	.534	.673	.795	.887
X/BA							
.120	-.0600	-.0340	.1680	.1880	.1950	-.1250	-.1330
.150							
.180							
.190							
.196							
.194	-.0340						
.150							
.177							
.229	-.0180						
.246							
.250							
.362	-.0330						
.400							
.402							
.412							
.497	-.1580						

(RBM.D4)

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

$$\text{MACH} \quad (1) = .620 \quad \text{DETAT} \quad (6) = 6.120$$

Y/BW	.299	.364	.427	.534	.673	.780	.867
X/CW							
.590							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							
.808							
.834							
.850							
.857							
.865							
.900							
.915							
.950							
.953							
.963							
Y/BW	.299	.364	.427	.534	.673	.780	.867
X/CW							
.000							
.050							
.081							
.086							
.094							
.150							
.177							
.229							
.246							
.250							
.362							
.410							
.412							
.497							
.550							
.565							
.614							
.650							
.700							
.725							
.750							
.760							
.775							

MACH (1) = .001 BETAT (9) = 0.100

1/8W	.299	.364	.427	.534	.675	.780	.860
1/4W	-.0740	-.0560	.1640	.1760	.0600	-.0900	-.0560
.090				-.3550	-.4440	-.5390	-.5790
.081			-.0990				
.066		-.0340					
.094	-.0460						
.150				-.2120	-.2480	-.2610	-.2940
.177			-.1560				
.246	-.0420	-.0460					
.250				-.2460	-.2340	-.2360	-.2160
.362	-.1430						
.400			-.2070	-.1910	-.2220		-.2120
.412							
.497	-.1360						
.550				-.2640	-.3200		
.565							
.640			-.2790				-.2330
.650						-.2660	
.700	-.2570				-.3370		
.725				-.3200			-.2630
.750							-.2480
.760			-.3360				
.765				-.2690	-.2660		
.775							

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A
AXES 11-707 1A9 OBA + S3 + 19 LOWER WING

(R03KLD04)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = .601 BETAT (9) = 0.165

Y/BW X/CW	.299	.364	.427	.534	.675	.780	.867
.808			-.2110				
.834	-.2080						
.850				-.2640	-.2190	-.1880	
.857			-.2180				
.865	-.2480						-.1050
.900	-.2340			-.1740			
.905			-.2070				
.950				-.0690	-.0860	-.0090	
.953			-.1670				
.965	-.2240						

MACH (2) = .600 BETAT (1) = -0.160

Y/BW X/CW	.299	.364	.427	.534	.675	.780	.867
.007	.0190	.0270	.4490	.6190	.5540	.5070	.4680
.055				-.1210	-.2930	-.7290	-.5940
.061		.1030	.0890				
.066	.0050						
.164				-.0280	-.1350	-.1610	-.2780
.150			.0550				
.177	.1070						
.229		.1610					
.246				-.1090	-.1130	-.1280	-.1790
.290	.2160			-.0770	-.1420		-.2330
.362			-.1040				
.400				-.2480	-.3910		
.402	.1420						
.497			-.2360				-.4170
.550							
.565							
.610							
.650							
.740	-.1740			-.5660		-.4470	
.725				-.5720			
.750							
.760							
.775							
.918							
.834	-.4330			-.6910	-.6370		
.850							
.857			-.1770	-.1670	-.1430	-.1090	
.865	-.4120						
.910	-.2270			-.0510			-.1020
.915			-.1630				
.950				.0390	.0520	.0830	
.953			.0230				

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 OEA + S3 + T9 LOWER WING

(RIB#154)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = .699 BETAT (1) = -8.160

Y/RW X/CW	.299	.364	.427	.534	.673	.780	.887
.965	-.0480						

MACH (2) = .697 BETAT (2) = -6.100

Y/RW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	.0110	.0240	.4110	.5790	.9020	.4440	.4070
.050				-.1700	-.3660	-.8690	-.5940
.101			.0580				
.186		.0800					
.194	-.0010			-.0530	-.1920	-.2090	-.3440
.190			.0120				
.177							
.229	.0890						
.246		.1320		-.1580	-.1560	-.1700	-.2300
.250				-.1100	-.1720		-.2530
.362	.1860						
.400			-.1510				
.402				-.2670	-.4130		
.487	.0960		-.2630				-.4280
.550					-.5800		
.565				-.5840		-.5860	-.5420
.600							
.650	-.2050						
.700							
.725							
.790			-.7110				
.760				-.5900	-.6380		
.775			-.3610				
.808							
.834	-.3120			-.1350	-.1150	-.0800	
.850			-.1710				
.857							
.865	-.3940			-.1260			-.1010
.910	-.2040						
.905			-.1060	.1680	.0750	.1120	
.950			.0390				
.953							
.965	-.0440						

MACH (2) = .902 BETAT (3) = -4.070

Y/RW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	.0050	-.0200	.3720	.5220	.4390	.3720	.3370
.050				-.2170	-.4110	-.9440	-.6180
.101			.0270				
.181		.0600					
.186							
.194	-.1420						

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A

AVES 11-707 1A9 OEA + S3 + T9 LOWER WING

(FORM 104)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = .900 BETAT (4) = -2.030

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887	.994
.550								
.565								
.600								
.650								
.700								
.725								
.750								
.760								
.775								
.808								
.834								
.850								
.857								
.865								
.900								
.905								
.920								
.953								
.965								
	.299	.364	.427	.534	.673	.780	.887	.994
				</				

MACH (2) = .900 BETAT (5) = 2.080

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887	-.3160	-.4420	-.2940	-.6090	-.6070	-.5000	-.4430	-.6040	-.4320	-.3800	-.5190	-.1300	-.0890	-.0570	-.0140	-.0450	.0700	.0970	.1070	.0470
.000	-.0050	-.0100	.2840	.3750	.2660	.1670	.1470																				
.050				-.3370	-.5160	-1.1350	-.7070																				
.081			-.0300																								
.086		.0390																									
.094	.0240																										
.150																											
.177			-.1280																								
.229	.0630																										
.246		.0590																									
.250																											
.362	.0950																										
.400																											
.402			-.2860																								
.497	-.0680																										
.550																											
.585																											
.670																											
.650																											
.700	-.2500																										
.725																											
.750																											
.760																											
.775																											

TABULATED PRESSURE DATA - 1A9A

DATE 20 SEP 73

AVES 11-707 1A2 02A + S3 + T9 LOWER WING

(R204.04)

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

COEFFICIENT (6) = 4.1413

	.965	-.1710			
X/CW					
1/BK	.299	.304	.421	.334	.481

WACH (2) = .900 BETAT (7) = 6.190

Y/BM	.299	.304	.427	.364
X/CN	.000	.0120	.2510	.3040
.050	- .0120	- .0120	- .3360	- .3360
				- .3280 - 1.0770
				.0900
				- .5930

1961. 1960. 1959.

.069	
.094	.0270
.150	- .1920 - .3430 -.7640 - .1870

417 .177

947.	.246
948.	.0200

290.

[illegible]

274

497 - .1270

333 334

11

६३.

521.725

.750

.760 .778

008.

.834 - .2620

957 950

-.865 -.2820

006 - 2520

950
903

953

.965 - .2040

	Y/BA	.299	.364
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9
10	10	10	10
11	11	11	11
12	12	12	12
13	13	13	13
14	14	14	14
15	15	15	15
16	16	16	16
17	17	17	17
18	18	18	18
19	19	19	19
20	20	20	20
21	21	21	21
22	22	22	22
23	23	23	23
24	24	24	24
25	25	25	25
26	26	26	26
27	27	27	27
28	28	28	28
29	29	29	29
30	30	30	30
31	31	31	31
32	32	32	32
33	33	33	33
34	34	34	34
35	35	35	35
36	36	36	36
37	37	37	37
38	38	38	38
39	39	39	39
40	40	40	40
41	41	41	41
42	42	42	42
43	43	43	43
44	44	44	44
45	45	45	45
46	46	46	46
47	47	47	47
48	48	48	48
49	49	49	49
50	50	50	50
51	51	51	51
52	52	52	52
53	53	53	53
54	54	54	54
55	55	55	55
56	56	56	56
57	57	57	57
58	58	58	58
59	59	59	59
60	60	60	60
61	61	61	61
62	62	62	62
63	63	63	63
64	64	64	64
65	65	65	65
66	66	66	66
67	67	67	67
68	68	68	68
69	69	69	69
70	70	70	70
71	71	71	71
72	72	72	72
73	73	73	73
74	74	74	74
75	75	75	75
76	76	76	76
77	77	77	77
78	78	78	78
79	79	79	79
80	80	80	80
81	81	81	81
82	82	82	82
83	83	83	83
84	84	84	84
85	85	85	85
86	86	86	86
87	87	87	87
88	88	88	88
89	89	89	89
90	90	90	90
91	91	91	91
92	92	92	92
93	93	93	93
94	94	94	94
95	95	95	95
96	96	96	96
97	97	97	97
98	98	98	98
99	99	99	99
100	100	100	100

MD/XX

0.000 0.010 0.020 0.030 0.040 0.050 0.060 0.070 0.080 0.090 0.100

1987
1987

907.
906.

04231 • 0611 • 1240

$\beta(0) = 0.240$

	Y/BN	.299	.364	.427	.505	.587
X/CM	.141	-.1111	.0290	.2540	.2940	.1320
	.090				-.2820	-.4530
	.143			.1010		
	.166		.1440			
	.194	.1240				
						.1370
						.1361
						-.6120

DATE 20 SEP 75 TABULATED PRESSURE DATA - IASA

AMES 11-707 1A9 OEA + S3 + T9 LOWER WING

(RBMLO4)

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (3) = 1.100 BETAT (1) = -0.190

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.867
.550							
.565							
.600							
.630							
.700							
.725							
.750							
.760							
.775							
.808							
.834							
.850							
.857							
.863							
.900							
.905							
.950							
.953							
.965							

MACH (3) = 1.099 BETAT (2) = -6.120

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.867
.000							
.050							
.081							
.086							
.094							
.150							
.177							
.229							
.246							
.250							
.362							
.411							
.412							
.497							
.550							
.565							
.641							
.651							
.700							
.725							
.750							
.760							
.775							

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A

AVES 11-707 1A9 02A + S3 + T9 LOWER WING

(R084L04)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (3) = 1.101 BETAT (3) = -4.080

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.965	-.1930						

MACH (3) = 1.101 BETAT (4) = -2.030

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.2280	-.2280	.4200	.9980	.5150	.4850	.4640
.090			.1530	-.1190	-.2350	-.6350	-.5580
.081		.0580					
.086	-.2030			.0360	-.0970	-.1360	-.3340
.094			.1000				
.150							
.177	-.0940						
.229		.2010					
.246				-.1040	-.1250	-.1260	-.2400
.250							
.362	.2270			-.1040	-.1010		-.0480
.400			-.1080				
.402							
.497	.1750			-.1850	-.2510		
.550			-.1970				-.2300
.565							
.600						-.3020	
.680	-.2560			-.4040			
.700						-.4010	-.4170
.725							
.750							
.780			-.4390				
.775				-.4390	-.4880		
.806			-.4170				
.834	-.4330			-.5450	-.5420	-.5470	
.850							
.857			-.5500				
.865	-.4840			-.2360			-.4620
.900	-.3750						
.915			-.2440				
.950				-.2140	-.3120	-.4180	
.953			-.2230				
.965	-.1980						

MACH (3) = 1.099 BETAT (5) = 2.080

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.3340	-.2620	.3490	.5080	.4240	.3660	.3630
.050				-.1680	-.3910	-.9970	-.5850
.081			.1240				
.086		.0510					
.094	-.2340						

DATE 20 SEP 70 TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 OEA + 33 + T9 LOWER WING

(NORMAL)

SECTION (1) LOWER WING

MACH (3) = 1.100 BETAT (7) = 6.210

		DEPENDENT VARIABLE CP			
Y/BW X/CW		Y/BW X/CW		Y/BW X/CW	
.608		.259	.364	.427	.534 .673 .780 .887
.634		-.2800		-.3580	
.650					-.5030 -.5220 -.5240
.657				-.3770	
.665		-.2050			-.4980
.900		-.2780			-.4650
.905				-.3540	
.980				-.2250	-.2900 -.5380
.983				-.2200	
.985		-.2380			

MACH (3) = 1.000 BETAT (8) = 8.290

Y/BW X/CW		Y/BW X/CW		Y/BW X/CW	
.000		-.5430	-.2110	.3180	.4350 .2980 .2000 .2050
.080				.1270	-.1220 -.3470 -.7610 -.5450
.081			.0620		
.086		-.2840			
.094				.0390	-.0650 -.1300 -.2610 -.5580
.180					
.177		-.0200			
.229			.1180		
.246					-.1270 -.2080 -.2390 -.4070
.250					
.362		.0780			-.1670 -.1570 -.0240
.400				-.1910	
.402					-.2440 -.2930
.497		.0500		-.2580	
.550					-.2650
.565					
.600					-.3410
.650		-.2180		-.4120	
.700				-.4060	-.4190 -.4200
.725					
.750				-.4140	
.760					-.4720 -.4760
.775				-.3210	
.818					
.834		-.2670			-.4610 -.5350 -.5240
.890				-.3180	
.857		-.2770			
.865		-.2610			-.4010
.920				-.3070	-.2160 -.2680 -.3550
.915					
.950				-.2580	
.953					

TABLE 1. A. TATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 02A + S3 + T9 LOWER WING

(RBM.D4)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (3) = 1.096 BETAT (8) = 0.290

Y/BW	.299	.364	.427	.534	.613
Y/CL					

MACH (4) = 1.248 BETAT (1) = -0.140

Y/BA	.299	.364	.427	.354	.1016	.6463
------	------	------	------	------	-------	-------

NACH (4) = 1.246 DETAT (2) = -6.100

Y/BW	.299	.364	.427	.534	.673	.763	.881
X/CW	.050	-.0370	.2400	.6320	.6310	.6330	.5967
.050				-.3460	-.1810	-.3970	-.3531
.081			-.0490				
.086		-.1300					
.194	-.1484						

TABULATED PRESSURE DATA - 1A9A

DATE 20 SEP 73

AMES 11-707 1A9 ORA + S3 + T9 LOWER WING

(REF. 0A)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (4) = 1.244 BETAT (2) = -0.100

Y/BA X/CA	.299	.364	.427	.534	.673	.780	.887
.150			.1560				
.177							
.229	-.1080	-.0490					
.246							
.250				.1360	.0540	.0310	-.0920
.362	-.0600			.0980	.0980		.1250
.400			.1130				
.402							
.497	.3100			-.0020	-.0690		-.0670
.550			.0050				
.565							
.600						-.1420	
.650	-.0020			-.2040	-.2130		
.700							
.725							
.750							
.760							
.775							
.808							
.834	-.2160			-.3350	-.3500	-.3480	
.850							
.857							
.865	-.3840						
.868	-.4880			-.3630			-.3180
.905							
.925							
.950							
.953							
.965	-.3430						
.965							
Y/BA X/CA	.299	.364	.427	.534	.673	.780	.887
.000	-.0760	-.1100	.1880	.6110	.5920	.5820	.5460
.050				-.3330	-.2310	-.4450	-.3810
.060							
.086							
.094							
.150							
.161							
.186							
.194							
.194							
.177							
.229	-.1410						
.246							
.250							
.362	-.1960						
.400							
.402							
.412							
.457							

MACH (4) = 1.244 BETAT (3) = -0.060

Y/BA X/CA	.299	.364	.427	.534	.673	.780	.887
.000	-.0760	-.1100	.1880	.6110	.5920	.5820	.5460
.050				-.3330	-.2310	-.4450	-.3810
.060							
.086							
.094							
.150							
.161							
.186							
.194							
.194							
.177							
.229	-.1410						
.246							
.250							
.362	-.1960						
.400							
.402							
.412							
.457							

TABULATED PRESSURE DATA - IASA

DATE 20 SEP 73

AMES 11-707 1A9 ORA + 53 + T9 LOWER WING

(REPLACES)

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (4) = 1.247 BETAT (4) = -2.1020

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.808							
.834	-.2680						
.850							
.857							
.865	-.4250						
.900	-.4740						
.905							
.950							
.953							
.965	-.3530						
Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.2290	-.1700	.1300	.4900	.4330	.4060	.3950
.090							
.091							
.096							
.094	-.1870						
.190							
.177							
.229	-.1890	.1240					
.246							
.255							
.362	.0360						
.400							
.402							
.497	.1060						
.550							
.565							
.600							
.650							
.700							
.725	-.1770						
.750							
.760							
.775							
.800							
.834	-.3080						
.850							
.857							
.865	-.4330						
.900	-.2940						
.905							
.950							
.953							

MACH (4) = 1.245 BETAT (5) = 2.070

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.2290	-.1700	.1300	.4900	.4330	.4060	.3950
.090							
.091							
.096							
.094	-.1870						
.190							
.177							
.229	-.1890	.1240					
.246							
.255							
.362	.0360						
.400							
.402							
.497	.1060						
.550							
.565							
.600							
.650							
.700							
.725	-.1770						
.750							
.760							
.775							
.800							
.834	-.3080						
.850							
.857							
.865	-.4330						
.900	-.2940						
.905							
.950							
.953							

DATE 20 SEP 73

TABLE 1. AVERAGED PERFORMANCE DATA - 1A9A

JAMES 11-707 1A9 02A + S3 + T9 LOWER WING

(RBM_L04)

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (4) = 1.245 BETAT (5) = 2.070

	1961	1962	1963	1964	1965
1/6M	.299	.364	.427	.534	.670
1/4M					
1/2M					
1M	-.2620	.545			

MACH (4) = 1.248 BETAT (6) = 4.120

	Y/84	X/CM	Y/84	X/CM	Y/84	X/CM
1	.299	-.364	.427	.354	.360	.360
2	.000	-.1690	.1690	.4620	.3930	.3600
3	.050	-.2930	-.2930	-.2070	-.4050	-.5460
4	.060		.0620			-.4840
5	.066	-.2100				

.061	-.2100	new = 1240	..2350	- .4440
.066				
.084	-.2040			

1.50	-.0650	-.1275
1.77	.0420	

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246	.1160	-.1320	-.1480	-.1680	-.3040
247					

0.250	0.0640	0.0130
0.362	0.0780	

400	5.000
402	- .0690

1947	- .0120	- 1947 -- 2450
.497		

550	1.1942	1.1942
565	1.1942	1.1942
585	1.1942	1.1942
600	1.1942	1.1942
615	1.1942	1.1942
630	1.1942	1.1942
645	1.1942	1.1942
660	1.1942	1.1942
675	1.1942	1.1942
690	1.1942	1.1942
705	1.1942	1.1942
720	1.1942	1.1942
735	1.1942	1.1942
750	1.1942	1.1942
765	1.1942	1.1942
780	1.1942	1.1942
795	1.1942	1.1942
810	1.1942	1.1942
825	1.1942	1.1942
840	1.1942	1.1942
855	1.1942	1.1942
870	1.1942	1.1942
885	1.1942	1.1942
900	1.1942	1.1942
915	1.1942	1.1942
930	1.1942	1.1942
945	1.1942	1.1942
960	1.1942	1.1942
975	1.1942	1.1942
990	1.1942	1.1942
1005	1.1942	1.1942
1020	1.1942	1.1942
1035	1.1942	1.1942
1050	1.1942	1.1942
1065	1.1942	1.1942
1080	1.1942	1.1942
1095	1.1942	1.1942
1110	1.1942	1.1942
1125	1.1942	1.1942
1140	1.1942	1.1942
1155	1.1942	1.1942
1170	1.1942	1.1942
1185	1.1942	1.1942
1200	1.1942	1.1942
1215	1.1942	1.1942
1230	1.1942	1.1942
1245	1.1942	1.1942
1260	1.1942	1.1942
1275	1.1942	1.1942
1290	1.1942	1.1942
1305	1.1942	1.1942
1320	1.1942	1.1942
1335	1.1942	1.1942
1350	1.1942	1.1942
1365	1.1942	1.1942
1380	1.1942	1.1942
1395	1.1942	1.1942
1410	1.1942	1.1942
1425	1.1942	1.1942
1440	1.1942	1.1942
1455	1.1942	1.1942
1470	1.1942	1.1942
1485	1.1942	1.1942
1500	1.1942	1.1942
1515	1.1942	1.1942
1530	1.1942	1.1942
1545	1.1942	1.1942
1560	1.1942	1.1942
1575	1.1942	1.1942
1590	1.1942	1.1942
1605	1.1942	1.1942
1620	1.1942	1.1942
1635	1.1942	1.1942
1650	1.1942	1.1942
1665	1.1942	1.1942
1680	1.1942	1.1942
1695	1.1942	1.1942
1710	1.1942	1.1942
1725	1.1942	1.1942
1740	1.1942	1.1942
1755	1.1942	1.1942
1770	1.1942	1.1942
1785	1.1942	1.1942
1800	1.1942	1.1942
1815	1.1942	1.1942
1830	1.1942	1.1942
1845	1.1942	1.1942
1860	1.1942	1.1942
1875	1.1942	1.1942
1890	1.1942	1.1942
1905	1.1942	1.1942
1920	1.1942	1.1942
1935	1.1942	1.1942
1950	1.1942	1.1942
1965	1.1942	1.1942
1980	1.1942	1.1942
1995	1.1942	1.1942
2010	1.1942	1.1942
2025	1.1942	1.1942
2040	1.1942	1.1942
2055	1.194	

-.2410

.650	--.2350
.700	--.1930

-	.725
-	-.3200
-	-.3180 - .3300

750	3590	3640
760		

-.3750 -.3840
-.3660

808	-3120	-3957
834	-3120	-3957

.850	-4360	-4050	-3300
957	-4770		

.857	-.386
.865	-.2820

9.00 -.2490 -.4630
04 15 -.4170

.955	-.2690	-.4860	-.4810
.950			

065 --.2150
 .953 --.2650

[illegible]

1/8W	.299	.364	.427	.534	.612
1/4W					.697

Variable	Mean	Standard deviation	Skewness	Kurtosis
Age	37.50	10.20	-.3750	-.0000
Gender	1.610	.4460	.3990	-.3320
Marital status	1.920	.2940	-.5530	-.4930

0.050	0.000
0.081	0.000
0.0820	0.000

086
- 2090

0.094 --.2320

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DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A

(RSM104)

AMES 11-707 1A9 ORA + 83 + 79 LOWER MINE

SECTION (1) LOWER MINE

WACH (4) = 1.245 BETAT (7) = 6.170

DEPENDENT VARIABLE CP

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.190							
.177			.0000	-.0570	-.0060	-.2400	-.4770
.229	-.2310	.0630					
.246							
.250				-.1030	-.1450	-.1950	-.3740
.362	.0180			-.0840	-.0960		.0470
.400							
.402			-.0630				
.497	-.0680						
.550			-.1350	-.1560	-.2280		
.565							-.2000
.600						-.2610	
.680				-.3170			
.700	-.1070					-.3800	-.3350
.725							
.790							
.760			-.3960	-.3620	-.3750		
.775			-.3680				
.808							
.834	-.2950			-.4600	-.4310	-.4090	
.850							
.857			-.4290				
.865	-.2950			-.4950			-.3750
.900	-.2790						
.905			-.4160				
.950				-.5070	-.4900	-.4710	
.953			-.3690				
.965	-.2950						

WACH (4) = 1.245 BETAT (8) = 8.210

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.100							
.150	-.4130	-.2550	.2730	.4240	.3150	.2530	.2300
.181				-.2170	-.4040	-.5610	-.4740
.186			.0630				
.194							
.190	-.2530						
.177			.0220				
.229	-.2320			-.1610	-.0620	-.2290	-.4760
.246							
.250		.1290					
.362	.0430			-.1080	-.1360	-.2020	-.3560
.402							
.402				-.1140	-.1210		-.1190
.497	-.1530		-.1300				

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

AXES 11-707 1A9 O2A + S3 + T9 LOWER WING

(REPLACES)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = .599 BETAT (2) = 4.000

Y/BA .299 .364 .427 .534 .673 .760 .887

X/CA .150 .177 .229 .246 .250 .362 .400

.402 .497 .550 .565 .600 .690 .700

.725 .750 .760 .775 .806 .834 .850

.857 .865 .900 .905 .950 .953 .965

Y/BA .299 .364 .427 .534 .673 .760 .887

X/CA .150 .177 .229 .246 .250 .362 .400

.402 .497 .550 .565 .600 .690 .700

.725 .750 .760 .775 .806 .834 .850

.857 .865 .900 .905 .950 .953 .965

Y/BA .299 .364 .427 .534 .673 .760 .887

X/CA .150 .177 .229 .246 .250 .362 .400

.402 .497 .550 .565 .600 .690 .700

.725 .750 .760 .775 .806 .834 .850

.857 .865 .900 .905 .950 .953 .965

Y/BA .299 .364 .427 .534 .673 .760 .887

X/CA .150 .177 .229 .246 .250 .362 .400

.402 .497 .550 .565 .600 .690 .700

.725 .750 .760 .775 .806 .834 .850

.857 .865 .900 .905 .950 .953 .965

Y/BA .299 .364 .427 .534 .673 .760 .887

X/CA .150 .177 .229 .246 .250 .362 .400

.402 .497 .550 .565 .600 .690 .700

.725 .750 .760 .775 .806 .834 .850

.857 .865 .900 .905 .950 .953 .965

Y/BA .299 .364 .427 .534 .673 .760 .887

X/CA .150 .177 .229 .246 .250 .362 .400

.402 .497 .550 .565 .600 .690 .700

.725 .750 .760 .775 .806 .834 .850

.857 .865 .900 .905 .950 .953 .965

Y/BA .299 .364 .427 .534 .673 .760 .887

X/CA .150 .177 .229 .246 .250 .362 .400

.402 .497 .550 .565 .600 .690 .700

.725 .750 .760 .775 .806 .834 .850

.857 .865 .900 .905 .950 .953 .965

Y/BA .299 .364 .427 .534 .673 .760 .887

X/CA .150 .177 .229 .246 .250 .362 .400

.402 .497 .550 .565 .600 .690 .700

.725 .750 .760 .775 .806 .834 .850

.857 .865 .900 .905 .950 .953 .965

Y/BA .299 .364 .427 .534 .673 .760 .887

X/CA .150 .177 .229 .246 .250 .362 .400

.402 .497 .550 .565 .600 .690 .700

.725 .750 .760 .775 .806 .834 .850

.857 .865 .900 .905 .950 .953 .965

Y/BA .299 .364 .427 .534 .673 .760 .887

X/CA .150 .177 .229 .246 .250 .362 .400

.402 .497 .550 .565 .600 .690 .700

.725 .750 .760 .775 .806 .834 .850

.857 .865 .900 .905 .950 .953 .965

MACH (1) = .599 BETAT (3) = 6.120

Y/BA .299 .364 .427 .534 .673 .760 .887

X/CA .150 .177 .229 .246 .250 .362 .400

.402 .497 .550 .565 .600 .690 .700

.725 .750 .760 .775 .806 .834 .850

.857 .865 .900 .905 .950 .953 .965

Y/BA .299 .364 .427 .534 .673 .760 .887

X/CA .150 .177 .229 .246 .250 .362 .400

.402 .497 .550 .565 .600 .690 .700

.725 .750 .760 .775 .806 .834 .850

.857 .865 .900 .905 .950 .953 .965

Y/BA .299 .364 .427 .534 .673 .760 .887

X/CA .150 .177 .229 .246 .250 .362 .400

.402 .497 .550 .565 .600 .690 .700

.725 .750 .760 .775 .806 .834 .850

.857 .865 .900 .905 .950 .953 .965

Y/BA .299 .364 .427 .534 .673 .760 .887

X/CA .150 .177 .229 .246 .250 .362 .400

.402 .497 .550 .565 .600 .690 .700

.725 .750 .760 .775 .806 .834 .850

.857 .865 .900 .905 .950 .953 .965

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1ASA
ANES 11-707 1AS OEA + S3 + T9 LOWER WING

(RPM/D5)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = .903 BETAT (1) = -0.170

Y/BW	X/CW	.299	.364	.427	.534	.673	.760	.887
.000	.000							
.050	.050							
.081	.081							
.086	.086							
.084	.084							
.130	.130							
.177	.177							
.229	.229							
.246	.246							
.290	.290							
.362	.362							
.400	.400							
.402	.402							
.497	.497							
.550	.550							
.565	.565							
.670	.670							
.690	.690							
.700	.700							
.725	.725							
.750	.750							
.760	.760							
.775	.775							
.808	.808							
.834	.834							
.850	.850							
.857	.857							
.865	.865							
.900	.900							
.905	.905							
.950	.950							
.953	.953							
.965	.965							

MACH (2) = .903 BETAT (2) = -0.110

Y/BW	X/CW	.299	.364	.427	.534	.673	.760	.887
.000	.000							
.050	.050							
.081	.081							
.086	.086							
.084	.084							
.130	.130							
.177	.177							
.229	.229							
.246	.246							
.290	.290							
.362	.362							
.400	.400							
.402	.402							
.497	.497							
.550	.550							
.565	.565							
.670	.670							
.690	.690							
.700	.700							
.725	.725							
.750	.750							
.760	.760							
.775	.775							
.808	.808							
.834	.834							
.850	.850							
.857	.857							
.865	.865							
.900	.900							
.905	.905							
.950	.950							
.953	.953							
.965	.965							

MACH (2) = .902 BETAT (3) = -4.070

Y/BW	X/CW	.299	.364	.427	.534	.673	.760	.887
.000	.000							
.050	.050							
.081	.081							
.086	.086							
.084	.084							
.130	.130							
.177	.177							
.229	.229							
.246	.246							
.290	.290							
.362	.362							
.400	.400							
.402	.402							
.497	.497							
.550	.550							
.565	.565							
.670	.670							
.690	.690							
.700	.700							
.725	.725							
.750	.750							
.760	.760							
.775	.775							
.808	.808							
.834	.834							
.850	.850							
.857	.857							
.865	.865							
.900	.900							
.905	.905							
.950	.950							
.953	.953							
.965	.965							

TABULATED PRESSURE DATA - 1A9A

AVES 11-707 1A9 CEA + S3 + T9 LOWER WING

(RBMLOS)

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (2) = .902 BETAT (3) = -4.070

Y/BW .299 .364 .427 .534 .673 .780 .887
X/CW .190 .177 .229 .246 .280 .362 .400 .402 .497 .580 .565 .600 .690 .700 .725 .780 .760 .775 .806 .834 .850 .857 .865 .900 .905 .950 .953 .965

.1430 .1080 .1260 .2460 .5730 .5750 .5980 .5070 .3610 .1670 .0960 .0490 .364 .427 .534 .673 .780 .887
-.0190 -.1210 -.1320 -.1740
-.1220 -.1070 -.1180 -.1310
-.1690 -.1440 -.2230
-.2510 -.3660
-.5730 -.5750 -.5980 -.5070
-.1360 -.0830 -.0760
-.0280
-.0560 .0520 .0730
-.0640
-.0100
-.1760 -.1360 -.1500 -.1730
-.1120 -.1710
-.1710
-.1030 .0400 .3740 .5390 .4610 .4190 .3630
-.1740 -.2580 -.5160 -.9420
.0730
.0690
.1210
.150
.177
.229
.246
.250
.362
.400
.402
.497
.580
.565
.600
.690
.700
.725
.780
.760
.775
.806
.834
.850
.857
.865
.900
.905
.950
.953
.965

MACH (2) = .902 BETAT (4) = -2.030

Y/BW .299 .364 .427 .534 .673 .780 .887
X/CW .140 .150 .161 .186 .194 .190 .177 .229 .246 .250 .362 .400 .402 .497 .580 .565 .600 .690 .700 .725 .780 .760 .775 .806 .834 .850 .857 .865 .900 .905 .950 .953 .965

TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 OEA + S3 + T9 LOWER WING

(RPM4.05)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = .901 BETAT (4) = -2.030

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.590							
.585							
.600							
.630							
.700							
.725							
.750							
.760							
.775							
.808							
.834							
.850							
.857							
.885							
.900							
.905							
.930							
.933							
.965							

MACH (2) = .905 BETAT (5) = 2.070

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000							
.050							
.081							
.106							
.134							
.150							
.177							
.229							
.246							
.250							
.362							
.410							
.412							
.497							
.530							
.565							
.600							
.630							
.700							
.725							
.750							
.760							
.775							

DATE 20 SEP 73

ANES 11-707 1A9 Q2A + S3 + T9 LOWER WING

(FROM 05)

SECTION (1) LOWER FIVE

DEPENDENT VARIABLE CP

WACH (2) = .900 BETAT (6) = .120

MACH (2) = .904 BETAT (7) = 6.170

$$\beta_{\text{FAT}}(0) = 0.230$$

1937

Variable	Mean	Standard Deviation	Minimum	Maximum
Age	35.2	12.5	18	65
Gender	0.52	0.50	0	1
Education	12.8	2.1	9	16
Income	25.4	8.7	10	45
Health	0.85	0.25	0.5	1.0
Marital Status	0.68	0.47	0	1
Employment	0.72	0.45	0	1
Home Ownership	0.58	0.49	0	1
Vehicle Ownership	0.88	0.32	0.5	1.0
Life Satisfaction	4.2	1.8	1	7
Stress Level	3.5	1.5	1	6
Exercise Frequency	2.1	1.2	0	4
Diet Quality	3.8	1.4	1	6
Sleep Duration	7.2	1.1	5	9
Alcohol Consumption	1.5	1.0	0	4
Tobacco Use	0.15	0.36	0	1
Family Size	2.3	1.2	0	5
Religious Belief	0.45	0.50	0	1
Political Affiliation	0.55	0.50	0	1
Travel Frequency	1.8	1.1	0	4
Charitable Giving	0.35	0.48	0	1
Volunteering	0.65	0.47	0	1
Community Involvement	0.75	0.43	0	1
Neighborhood Safety	4.5	1.6	1	7
Local Government Satisfaction	3.2	1.4	1	6
Environmental Concern	5.1	1.9	1	7
Trust in Government	3.8	1.7	1	6
Confidence in President	3.5	1.6	1	6
Support for Military Spending	4.2	1.8	1	7
Approval of Foreign Policy	3.9	1.7	1	6
Interest in International Affairs	4.5	1.9	1	7
Knowledge of World Events	4.8	2.0	1	7
Openness to Diversity	5.2	2.1	1	7
Respect for Civil Liberties	5.5	2.2	1	7
Support for Human Rights	5.8	2.3	1	7
Belief in Global Warming	6.2	2.4	1	7
Concern about Climate Change	6.5	2.5	1	7
Support for Renewable Energy	6.8	2.6	1	7
Trust in Scientists	6.1	2.3	1	7
Belief in Evolution	6.4	2.4	1	7
Support for LGBTQ+ Rights	6.7	2.5	1	7
Belief in Black Lives Matter	6.9	2.6	1	7
Support for Immigration Reform	6.3	2.4	1	7
Belief in DACA	6.6	2.5	1	7
Support for Border Security	6.0	2.3	1	7
Belief in Trade Agreements	6.2	2.4	1	7
Support for Free Trade	6.5	2.5	1	7
Belief in Globalization	6.8	2.6	1	7
Support for International Cooperation	6.1	2.3	1	7
Belief in UN Effectiveness	6.4	2.4	1	7
Support for NATO	6.7	2.5	1	7
Belief in NATO's Role	6.9	2.6	1	7
Support for European Union	6.3	2.4	1	7
Belief in EU's Value	6.6	2.5	1	7
Support for BRICS	6.0	2.3	1	7
Belief in BRICS's Potential	6.2	2.4	1	7
Support for G20	6.5	2.5	1	7
Belief in G20's Influence	6.8	2.6	1	7
Support for World Bank	6.1	2.3	1	7
Belief in World Bank's Impact	6.4	2.4	1	7
Support for IMF	6.7	2.5	1	7
Belief in IMF's Role	6.9	2.6	1	7
Support for WTO	6.3	2.4	1	7
Belief in WTO's Effectiveness	6.6	2.5	1	7
Support for TPP	6.0	2.3	1	7
Belief in TPP's Benefits	6.2	2.4	1	7
Support for RCEP	6.5	2.5	1	7
Belief in RCEP's Potential	6.8	2.6	1	7
Support for CPTPP	6.1	2.3	1	7
Belief in CPTPP's Value	6.4	2.4	1	7
Support for EFTA	6.7	2.5	1	7
Belief in EFTA's Role	6.9	2.6	1	7
Support for OECD	6.3	2.4	1	7
Belief in OECD's Influence	6.6	2.5	1	7
Support for G7	6.0	2.3	1	7
Belief in G7's Potential	6.2	2.4	1	7
Support for G8	6.5	2.5	1	7
Belief in G8's Impact	6.8	2.6	1	7
Support for G20 Summit	6.1	2.3	1	7
Belief in G20 Summit's Value	6.4	2.4	1	7
Support for BRICS Summit	6.7	2.5	1	7
Belief in BRICS Summit's Role				

1641
1651

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A
AMES 11-707 1A9 CEA + S3 + T9 LOWER WING

(0000000)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (3) = 1.100 BETAT (1) = -8.200

Y/BW X/CW	.299	.364	.427	.534	.673	.760	.887
.590							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							
.808							
.834							
.890							
.857							
.865							
.900							
.905							
.930							
.953							
.965							

MACH (3) = 1.097 BETAT (2) = -6.130

Y/BW X/CW	.299	.364	.427	.534	.673	.760	.887
.000							
.090							
.081							
.086							
.094							
.150							
.177							
.229							
.246							
.250							
.362							
.414							
.402							
.497							
.550							
.565							
.614							
.650							
.700							
.725							
.750							
.760							
.775							

SECTION (1) LOWER WING

HACH (3) = 1.097 BETAT (2) = -6.130

DEPENDENT VARIABLE CP

Y/BW X/CM	.299	.364	.427	.534	.673	.760
.806			-.3660			
.834	-.3670			-.4860	-.4250	-.4770
.850			-.5430			
.857				-.5470		-.4280
.865	-.5490					
.900	-.4490		-.2550			
.905			-.2760	-.5610		-.5390
.950			-.2230			
.953	-.2050					
.965						
Y/BW	.299	.364	.427	.534	.673	.760
X/CM						
.000	-.1670	-.1430	.4940	.6840	.6230	.5980
.050			.2400	.0110	-.0670	-.3700
.061						-.3510
.066		.0490				
.084	-.1620			.1520	.0340	-.0150
.150			.1770			-.0610
.177	-.1310					
.229		.2540				
.246				.0270	-.0160	.0210
.250						.0140
.362	.2760			.0170	.0030	.0160
.400			-.0030			
.412						
.497	.2430			-.1050	-.1760	
.550						
.565			-.1220			-.2210
.600						
.650	-.1490			-.3430		-.2610
.710				-.3150		-.3660
.725						-.3960
.750			-.3670		-.4160	
.760				-.3640		
.775			-.3620			
.818						
.834	-.3970			-.4950	-.4750	-.5020
.851			-.5600			
.857						
.865	-.5660			-.4690		-.45
.941	-.3160		-.2040			
.945				-.2360	-.5660	-.5810
.951			-.1970			
.953						

$$\text{MAY } (3) = 1.101 \text{ BETAT } (3) = -4.000$$

Y/BM	.299	.364	.427	.334	.613	.174
X/CM	-.1870	-.1430	.4840	.6940	.6230	.5980
.090				.0110	-.0670	-.3700
.081			.2400			-.3510
.086		.0490				
.094	-.1620			.1920	.0940	-.0130
.150			.1770			-.0610
.177						
.229	-.1310					
.246		.2540				
.250				.0270	-.0160	.0210
.362	.2760			.0170	.0030	.0160
.400			-.0030			
.402						
.497	.2430			-.1050	-.1760	
.550			-.1220			-.2200
.565						-.2610
.600					-.3430	
.650				-.3150		-.3660
.710	-.1490					-.3980
.725						
.750			-.3670		-.4160	
.760						
.775			-.3620			
.806						
.834	-.3970			-.4950	-.4750	-.5020
.850						
.857			-.5600			
.865	-.5660					
.910	-.3160			-.4690		-.4540
.915			-.2040		-.5660	-.5610
.950				-.2360		
.953			-.1970			

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

JAMES 11-707 1A9 02A + S3 + T9 LOWER WING

(R004105)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

ADJUSTED R-SQUARED = 0.900

	.687
	.695
	.615
	.534
	.427
	.364
	.299
Y/BH	

WACH (3) = 1.000 BETAT (4) = -2.030

	Y/EW	.299	.364	.427	.534	.615	.705	.801
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
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85								
86								
87								
88								
89								
90								

WACH (3) = 1.101 BETAT (5) = 2.000

	.673	.689	.667
Y/BW	.427	.534	.299
	.364	.	.299

1947
1948
1949
1950
1951

.1850	.3700	.5550	.4620	.4500	.4280
		-.0760	-.1860	-.5380	-.4130
.0840	.1760				

DATE ED SEP 75

TABULATED PRESSURE DATA - 1A9A
 ANES 11-707 1A9 CEA + S3 + T9 LOWER WING

(8894.55)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (3) = 1.102 BETAT (6) = 4.140

Y/BA X/CA	.299	.364	.427	.534	.673	.780	.887
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							
.808							
.834							
.850							
.857							
.895							
.900							
.905							
.950							
.953							
.965							

MACH (3) = 1.100 BETAT (7) = 6.800

Y/BA X/CA	.299	.364	.427	.534	.673	.780	.887
.000							
.050							
.081							
.086							
.094							
.150							
.177							
.229							
.246							
.250							
.362							
.400							
.402							
.497							
.550							
.565							
.600							
.650							
.650							
.700							
.725							
.750							
.760							
.775							

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A

AMES 11-707 IAS OSA + 35 + T9 LOWER WING

(REMARKS)

SECTION (1) LOWER WING

MACH (3) = 1.100 BETAT (7) = 6.200

DEPENDENT VARIABLE CP		Y/BA	.299	.364	.427	.534	.673	.780	.887
		X/CA							
.606									
.604									
.600									
.607									
.665									
.600									
.605									
.650									
.653									
.665									

MACH (3) = 1.100 BETAT (8) = 6.270

Y/BA	.299	.364	.427	.534	.673	.780	.887
X/CA							
.000							
.020							
.061							
.096							
.094							
.150							
.177							
.229							
.246							
.250							
.362							
.400							
.402							
.497							
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							
.818							
.834							
.850							
.857							
.865							
.901							
.905							
.950							
.953							

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A

(R094L05)

AMES 11-707 1A9 02A + 33 + 79 LOWER WING

SECTION (1) LOWER WING

MACH (3) = 1.100 BETAT (0) = 0.270

DEPENDENT VARIABLE CP

	Y/BW	X/CW	.299	.364	.427	.534	.673	.760	.887
	.985	-.2420							
	Y/BW	X/CW	.299	.364	.427	.534	.673	.760	.887
	.000	.0130	.0130	.0130	.3760	.7940	.7490	.7490	.8820
	.090				.0390	.0390	.0390	.0390	.0390
	.091				.2570				
	.096								
	.094								
	.130								
	.177								
	.229								
	.246								
	.250								
	.362								
	.400								
	.412								
	.497								
	.590								
	.595								
	.600								
	.650								
	.700								
	.725								
	.750								
	.760								
	.775								
	.808								
	.834								
	.850								
	.857								
	.865								
	.910								
	.920								
	.950								
	.953								
	.965								
	Y/BW	X/CW	.299	.364	.427	.534	.673	.760	.887
	.000								
	.050								
	.061								
	.066								
	.086								
	.104								
	.130								
	.177								
	.229								
	.246								
	.250								
	.362								
	.400								
	.412								
	.497								
	.590								
	.595								
	.600								
	.650								
	.700								
	.725								
	.750								
	.760								
	.775								
	.808								
	.834								
	.850								
	.857								
	.865								
	.910								
	.920								
	.950								
	.953								
	.965								
	Y/BW	X/CW	.299	.364	.427	.534	.673	.760	.887
	.000								
	.050								
	.061								
	.066								
	.086								
	.104								
	.130								
	.177								
	.229								
	.246								
	.250								
	.362								
	.400								
	.412								
	.497								
	.590								
	.595								
	.600								
	.650								
	.700								
	.725								
	.750								
	.760								
	.775								
	.808								
	.834								
	.850								
	.857								
	.865								
	.910								
	.920								
	.950								
	.953								
	.965								

MACH (4) = 1.245 BETAT (2) = -6.110

ANES 11-707 IAG Q2A + S3 + T9 LOWER WING

(Rev. 12-5)

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

WACH (4) = 1.245 DETA7 (2) = -6.110

	Y/2M		X/CH	
	.299	.364	.427	.534
				.675
				.2550
				.1490
				.0440
				-.0180

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2
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0.177
0.229
-0.0630

.246	.0310	.1260
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067.
1919.
conv.

.362	-.0490	.1370	.1350
------	--------	-------	-------

.007 **.1443**

[illegible]

0.50
0.20
0.20

.565 **.1590** **-.0670**

6000
-1050

1.350	-.1780
.710	.0270

	- .725	- .1740	- .9010	- .2380
--	--------	---------	---------	---------

.790

-.760 -.1960 -.2210 -.2570

.773 -.2210

.894 --.1900

069.
--3000 --3190 --3280

7.857
-3.330

663	-3,560	-3,570
670	-4,210	-3,550

915	-4760	100.00
916	-54740	100.00

1.000	-	.4410	-	.3920	-	.4090
.950						

953
-5150

.965 -.3390

	.687
	.760
	.673
	.534
	.427
	.364
	.299
	.231

Year	FDX	MDA
1997	100	100
1998	100	100
1999	100	100
2000	100	100
2001	100	100
2002	100	100
2003	100	100
2004	100	100
2005	100	100
2006	100	100
2007	100	100
2008	100	100
2009	100	100
2010	100	100
2011	100	100
2012	100	100
2013	100	100
2014	100	100
2015	100	100
2016	100	100
2017	100	100
2018	100	100
2019	100	100
2020	100	100
2021	100	100
2022	100	100
2023	100	100
2024	100	100
2025	100	100
2026	100	100
2027	100	100
2028	100	100
2029	100	100
2030	100	100
2031	100	100
2032	100	100
2033	100	100
2034	100	100
2035	100	100
2036	100	100
2037	100	100
2038	100	100
2039	100	100
2040	100	100
2041	100	100
2042	100	100
2043	100	100
2044	100	100
2045	100	100
2046	100	100
2047	100	100
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2049	100	100
2050	100	100
2051	100	100
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2054	100	100
2055	100	100
2056	100	100
2057	100	100
2058	100	100
2059	100	100
2060	100	100
2061	100	100
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2084	100	100
2085	100	100
2086	100	100
2087	100	100
2088	100	100
2089	100	100
2090	100	100
2091	100	100
2092	100	100
2093	100	100
2094	100	100
2095	100	100
2096	100	100
2097	100	100
2098	100	100
2099	100	100
2100	100	100

Variable	Mean	Standard deviation	Skewness	Kurtosis
Age	36.10	11.40	-0.450	2.390
Gender	0.610	0.490	-0.750	1.360
Marital status	0.640	0.480	-0.750	1.360
Education	0.670	0.470	-0.750	1.360
Income	0.260	0.440	-0.750	1.360
Health	0.000	0.000	-0.750	1.360

0500
UN50

1000
-1350
-2500

1994 -1160

1.054	.1710	.1220	.0160	-.1369
.150				

477.
6772.

.229 -.1280

.245	.1140	.0620	.0630	.049
.0160				

0.270
- 0.590
- 0.590

.0860
.0790
.0640
.0500
.0311

.402 **.9760**

.497 .2920

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A8A

AVES 11-707 1A9 02A + S3 + T9 LOWER WING

(0894.05)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (4) = 1.245 BETAT (3) = -4.080

Y/CM	Y/IN	.299	.364	.427	.534	.673	.780	.887
.550								
.565								
.600								
.650								
.700								
.725								
.750								
.760								
.775								
.808								
.834								
.850								
.867								
.885								
.900								
.905								
.930								
.953								
.965								

MACH (4) = 1.246 BETAT (4) = -8.080

Y/CM	Y/IN	.299	.364	.427	.534	.673	.780	.887
.000								
.030								
.061								
.086								
.094								
.150								
.177								
.229								
.246								
.250								
.362								
.414								
.412								
.497								
.550								
.565								
.600								
.650								
.700								
.725								
.750								
.760								
.775								

DATE 20 SEP 73

TABULATED PRESSURE DATA - IASA

AVES 11-707 1AS CEA + S3 + T9 LOWER WING

(RBMLOS)

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (4) = 1.246 BETAT (4) = -2.020

Y/BW X/CW	.299	.364	.427	.534	.673	.760	.887
.608							
.834							
.890							
.857							
.865							
.900							
.905							
.950							
.953							
.965							

MACH (4) = 1.243 BETAT (5) = 2.080

Y/BW X/CW	.299	.364	.427	.534	.673	.760	.887
.000							
.080							
.081							
.086							
.094							
.190							
.177							
.229							
.246							
.250							
.362							
.400							
.402							
.497							
.553							
.565							
.600							
.650							
.700							
.725							
.751							
.760							
.775							
.808							
.834							
.850							
.857							
.865							
.910							
.915							
.951							
.953							

DATE 20 SEP 75 TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 OSA + 83 + T8 LOWER WING

(0000005)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (4) = 1.243 BETAT (5) = 2.080

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.965	-.2470						

MACH (4) = 1.241 BETAT (6) = 4.120

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.857
.000	-.3270	-.1570	.2270	.5190	.4340	.4180	.4320
.050				-.0840	-.2690	-.4510	-.5460
.081		-.1880	.1490				
.086							
.084	-.2010			-.0180	-.1330	-.2500	
.180							
.177			.0570				
.229	-.2070						
.246		.1370					
.250				-.0810	-.1070	-.0750	-.0800
.362	.0870			-.0690	-.0470		.0540
.400			-.0640				
.402				-.1450	-.1630		
.497	.0040		-.1380				-.1590
.550							
.565							
.600						-.2000	
.690					-.2880		
.700	-.1750						
.725			-.2570			-.2670	-.3120
.750				-.3000	-.3270		
.760			-.3270				
.775			-.3370				
.806							
.834	-.3040			-.3770	-.3690	-.3780	
.850							
.857			-.4360				
.865	-.2850						-.3550
.910	-.2360		-.4290				
.915			-.3600		-.3610	-.4460	
.950			-.2520				
.953							
.965	-.1630						

MACH (4) = 1.244 BETAT (7) = 6.160

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.4070	-.1870	.2150	.4790	.4410	.3960	.3630
.150				-.0780	-.2270	-.4580	-.5530
.161			.1330				
.186		-.1510					
.194	-.2330						

ANES 11-707 1A9 02A + S3 + T9 LOWER WING

(b)(7)(D)

SECTION 11 LOWER WING

DEPENDENT VARIABLE CP

$$\text{MACH} (4) \pm 1.247 \text{ BETAT} (6) = 0.210$$

MD/A
MD/A

३३.

127

3.

6/3

3.

3.

DATE 20 SEP 75 TABULATED PRESSURE DATA - 1A9A (R04L06) (27 APR 75)
 JNES 11-707 1A9 02A + S3 + T9 LOWER WING

REFERENCE DATA

REF = 2.4210 98.17. XWRP = 28.5300 INCHES
 LWRP = 39.8490 INCHES YWRP = .0000 INCHES
 BREF = 39.8490 INCHES ZWRP = .0000 INCHES
 SCALE = .0000 SCALE

PARAMETRIC DATA

ALPHAT = -2.000 ORBINC = .500
 RUDDER = .000 ELEVON = .000
 RUDDLR = .000

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING	Y/BW	X/CW	Y/BW	X/CW
MACH (1) = .599 BETAT (1) = -8.090	.299	.364	.427	.534
	.000	.0830	.3720	.5620
	.080		-.0680	-.1040
	.081	.0820	.0930	
	.086			
	.094	.0130	-.0160	-.0310
	.190			-.0670
	.177	.0700	.0100	
	.229	.1090		
	.246		-.1020	-.0740
	.250			-.0950
	.362	.1310	-.1360	-.1280
	.400			-.1220
	.402		-.1680	
	.497	.0430		
	.590		-.2970	-.2830
	.565		-.3360	
	.600			-.2220
	.650			-.2440
	.700	-.3430	-.3340	-.3170
	.725			
	.750		-.4010	-.2820
	.760			-.2640
	.775		-.2720	
	.818			
	.834	-.3480	-.2210	-.1810
	.834			-.1780
	.857		-.2270	
	.865	-.2680		
	.914	-.1870	-.1240	
	.915			-.1190
	.951		-.1350	
	.953		.0120	.0229
	.965	-.0550	-.0080	.0130
MACH (1) = .599 BETAT (2) = -6.060	.299	.364	.427	.534
	.000	.0990	.3520	.5540
	.080			.5210
	.081			.5330
	.086			.4790
	.194			-.1950
	.177			-.1220
	.229			-.1050
	.246			
	.250			
	.362			
	.400			
	.402			
	.497			
	.590			
	.565			
	.600			
	.650			
	.700			
	.725			
	.750			
	.760			
	.775			
	.818			
	.834			
	.834			
	.857			
	.865			
	.914			
	.915			
	.951			
	.953			
	.965			

TABULATED PRESSURE DATA - 1A9A

DATE 01 SEP 73

AVES 11-707 1A9 02A + S3 + T9 LO. IN WING

(PDA-56)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = .999 BETAT (2) = -6.060

Y/BW
X/CW

.190	.299	.364	.427	.534	.673	.780	.887
.177							
.229	.0820						
.246		.0980					
.250							
.382	.1140						
.400							
.402							
.497	.0120						
.590							
.565							
.600							
.650							
.700	-.3180						
.725							
.750							
.760							
.775							
.808							
.834	-.3080						
.890							
.857							
.865	-.2380						
.900	-.1810						
.905							
.950							
.953							
.965	-.0460						
Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.144							
.150	-.0170	.0420	.3250	.5270	.4890	.4930	.4430
.181							
.186							
.194	.0020						
.190							
.177							
.229	.0480						
.246		.0620					
.250							
.362	.0930						
.400							
.402							
.497							

MACH (1) = .998 BETAT (3) = -4.040

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.144							
.150	-.0170	.0420	.3250	.5270	.4890	.4930	.4430
.181							
.186							
.194	.0020						
.190							
.177							
.229	.0480						
.246		.0620					
.250							
.362	.0930						
.400							
.402							
.497							

DATE: SEP 73

TABLE A7.00 PRESSURE DATA - 1A9A

AMES 11-707 1A9 02A + S3 + T9 LOWER WING

(957-6081)

SECTION 11102B AND

DEPENDENT VARIABLE CP

000.2 = (4) 1V13B 000.2 = (1) 1V13B

	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	

0207° = (5) 14120 0208° = (1) 10000

γ/BN	.299	.364	.427	.434	.481
χ/Ox°				.344	.3740

.000
 .050
 .061
 .066
 .094
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 .920
 .945
 .950
 .953

2760	4980	2090	-1040	-1010	-2090
0060					
		-1070	-1230	-1260	-1160
0070					
		-1700	-1360	-1220	-1120
-1060		-1550	-1610		-1620
-2750		-2710	-2790		-2360
				-2460	
		-2670			-2440
-3150		-2410	-2530		-2320
-2160					
		-1940	-1730	-1690	
-1740					
		-1020			-1530
-0930		1240	10290	1210	
0070					

0.0610	0.0040
0.0440	0.0060
0.0220	0.0170
0.0460	
0.0875	
0.2700	
0.2210	
0.1800	
0.1190	

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DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A

AVES 11-707 1A9 OCA + 83 + T9 LOWER WING

(RBM.06)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = .600 BETAT (5) = .020

MACH (1) = .600 BETAT (6) = 2.050

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.965	-.0360						
Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.0910	-.0130	.2520	.4220	.3740	.3750	.3420
.050			-.0230	-.2190	-.2090	-.1930	-.2980
.061							
.086							
.094							
.150							
.177							
.229							
.246							
.280							
.362							
.400							
.402							
.497							
.550							
.565							
.600							
.650							
.700							
.725							
.790							
.760							
.775							
.818							
.834							
.850							
.857							
.865							
.910							
.915							
.950							
.953							
.965							
Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.0970	-.0190	.2510	.3860	.3450	.3490	.3160
.050				-.2180	-.2120	-.1920	-.2490
.081							
.086							
.194							

MACH (1) = .600 BETAT (7) = 4.080

(FROM 06)

SECTION (1) LOWER WING

$$\text{BETAT}(1) = .599 \quad \text{BETAT}(0) = 5.110$$

DEPENDENT VARIABLE CP

100	.673	.534	.427	.364	.299
-----	------	------	------	------	------

550	-.2960	-.2640	
565	-.2220		-.2910
600		-.2400	
650		-.2910	
700	-.2040	-.2640	-.2360
725			-.2310
750		-.2750	
760		-.2340	-.2440
775		-.1810	
806			
834	-.1650		-.1690
850		-.1660	
857			
865	-.1950		-.1000
900	-.1210	-.1100	
905		-.1070	.0110
950			
953		-.0430	
965	-.1290		

$$\text{WACH} (1) = .000 \text{ BETAT} (9) = 0.140$$

Y8M	.299	.364	.427	.534	.675	.162	.000
X7CM	-.1320	-.0290	.1660	.3370	.2640	.2660	.2330
.000				-.1570	-.1540	-.1690	-.2310
.061			.0160				
.066		-.0150					
.094	-.0390						
.150				-.0920	-.1120	-.1190	-.1160
.177		-.0520					
.229	-.0210						
.246		.0220					
.250				-.1500	-.1230	-.1160	-.1160
.362	.0030			-.1160	-.1360		-.1570
.411			-.1530				
.412							
.497	-.1680			-.2210	-.2540		
.565			-.2240				-.2210
.603						-.2360	
.650							
.717	-.2110			-.2530	-.2660		
.725							-.2260
.750							-.2360
.760			-.2420	-.2260	-.2460		
.775							

TABULATED PRESSURE DATA - 1A9A

AVES 11-707 1A9 02A + S3 + T9 LOWER WING

DATE 20 SEP 75

(R094L06)

DEPENDENT VARIABLE CP

SECTION : 11-707 WING

MACH (2) = .904 BETAT (1) = -0.180

Y/BW .299 .364 .427 .534 .673 .780 .867

X/CW .965 -.0270

MACH (2) = .901 BETAT (2) = -0.130

Y/BW .299 .364 .427 .534 .673 .780 .867

X/CW .000 .1060 .4360 .6410 .5650 .5810 .4960

.090 .061 .066 .094 .130 .177 .229

.0270 .0270 .0270 .0270 .0270 .0270 .0270

.246 .290 .362 .400 .402 .497 .550

.0870 .0170 -.0010 -.0500

.600 .650 .700 .725 .730 .760 .775

-.0190 -.0040 -.0220 -.0680

.808 .834 .850 .857 .865 .910 .915

-.0160 -.0710 -.1560

.930 .933 .965

-.0160 -.0710 .0940

.965

.1690

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MACH (2) = .902 BETAT (3) = -4.070

Y/BW .299 .364 .427 .534 .673 .780 .867

X/CW .120 .150 .161 .166 .194

.6050 .5490 .5340 .5340 .4960

.120 .150 .161 .166 .194

-.0220 -.0490 -.1120 -.2340

.120 .150 .161 .166 .194

.1690

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DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 OEA + S3 + T9 LOWER WING

(RBMLO6)

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (2) = .903 BETAT (4) = -2.030

Y/BA X/CA	.299	.364	.427	.534	.673	.780	.687
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							
.806							
.834							
.850							
.857							
.865							
.900							
.905							
.950							
.953							
.965							

MACH (2) = .903 BETAT (5) = 2.060

Y/BA X/CA	.299	.364	.427	.534	.673	.780	.687
.000							
.050							
.061							
.066							
.094							
.150							
.177							
.229							
.246							
.250							
.362							
.410							
.412							
.497							
.550							
.565							
.610							
.650							
.710							
.727							
.750							
.760							
.775							

DATE 20 SEP 73

TABULATED PRESSURE DATA - 149A

(0304106)

AVES 11-707 149 02A + S3 + 19 LOWER MINE

DEPENDENT VARIABLE CP

SECTION (1) LOWER MINE

WACH (2) = .903 BETAT (5) = 2.060

Y/WM X/CM

.808	.299	.364	.427	.534	.675	.780	.887
.834	-.2280		-.3360				
.850				-.1450	-.0740	-.0450	
.857			-.1680				
.873	-.2880			-.0280			.0250
.910	-.1640						
.944			-.0650	.0760	.0940	.0970	
.950			.0350				
.953							
.965	-.0500						

WACH (20) = .903 BETAT (6) = 4.130

Y/WM X/CM

.100	.299	.364	.427	.534	.675	.780	.887
.090							
.081	-.0680	.0370	.2910	.4570	.3680	.3310	.3110
.086				-.1800	-.2100	-.2030	-.5790
.094			.0740				
.150							
.177			-.0467				
.229	.0680			-.0780	-.1380	-.1330	-.1710
.246							
.250		.0680		-.1670	-.1240	-.1310	-.1610
.362	.0970			-.1020	-.1670		-.2350
.400			-.1920				
.402							
.497	-.0610			-.2670	-.4120		
.550			-.2490				
.565							-.4830
.644					-.4950		
.650							
.700	-.1980			-.5230		-.5610	-.4710
.725							
.750			-.4020				
.760				-.3420	-.4000		
.775			-.2740				
.818							
.834	-.2080			-.1560	-.0950	-.0660	
.850			-.1630				
.857							
.865	-.1990			-.0370			.1420
.914	-.1590						
.915			-.0750	.0700	.0990	.1130	
.950							
.953			-.0030				

DATE 11-707 1A9 02A + S3 + T9 LOWER MING

(REML56)

SECTION (1) LOWER MING

MACH (2) = .903 BETAT (6) = 4.130

MACH (2) = .907 BETAT (7) = 6.160

DEPENDENT VARIABLE CP

MACH (2) = .903 BETAT (6) = 4.130

MACH (2) = .907 BETAT (7) = 6.160

Y/BW .299 .364 .427 .534 .673 .780 .887

X/CW .965 -.1122

Y/BW .299 .364 .427 .534 .673 .780 .887

X/CW .000 -.0870 .0300 .2550 .4250 .3950 .3240 .2720

.030 -.1320 -.2020 -.2220 -.3770

.081 .066 .094 .150 .177 .0570 .0740

.246 .250 .362 .400 .412 .497 .550 .565 .630 .650 .710 .725 .750 .760 .775 .818 .834 .850 .857 .865 .900 .905 .920 .933 .965

-.0760 -.1280 -.1400 -.1790

-.0330

-.1670 -.1210 -.1370 -.1680

-.1000 -.1640

-.1430

-.2540 -.4140

-.2330

-.4870

-.4580

-.4090

-.2960

-.2130 -.1170 -.1970

-.2210

-.1410

-.0670

.0310 .680 .0780

-.0640

-.1480

.299 .364 .427 .534 .673 .780 .887

X/CW .000 -.0760 .0370 .2410 .3630 .3250 .2930 .2330

.1210

.0500

.1270

.181

.186

.194

.1210

.0500

.1270

.181

.186

.194

.1210

.0500

.1270

.181

.186

.194

.1210

.0500

.1270

TABULATED PRESSURE DATA - 1A9A

ANES 11-707 1A9 OEA + S3 + T9 LOWER WING

DATE 20 SEP 75

(0004.06)

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (3) = 1.099 BETAT (1) = -8.210

Y/BA X/CA	.299	.364	.427	.534	.673	.760	.887
.550			.0590		.0540		
.565							
.600							
.630							
.700	.1140						
.725							
.750							
.760							
.775							
.806							
.834							
.850							
.857							
.865							
.900							
.905							
.950							
.953							
.965							

MACH (3) = 1.100 BETAT (2) = -8.140

Y/BA X/CA	.299	.364	.427	.534	.673	.760	.887
.000			.5160	.7360	.6740	.6690	.6030
.050				.1680	.1220	.0260	
.061			.3330				
.086							
.094							
.150							
.177			.2670				
.229							
.246							
.250							
.362							
.410							
.412							
.497							
.550							
.565							
.610							
.650							
.710							
.725							
.751							
.760							
.775							

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

ANES 11-707 1A9 02A + S3 + T9 LOWER MING

(R094L06)

DEPENDENT VARIABLE CP

SECTION (1) LOWER MING

MACH (3) = 1.101 BETAT (5) = 2.080

Y/BW	X/CW	Y/BW	X/CW	Y/BW	X/CW	Y/BW	X/CW
.190	.190	.364	.427	.534	.673	.780	.887
.177	.177	.1060	.1060	.0690	.0110	-.0400	-.0420
.229	.229	.1920		-.0290	-.0640	-.0230	-.0050
.246	.246			-.0690	-.0530		.0070
.230	.230	.1900		-.1210			
.362	.362			-.1180	-.1770		
.400	.400			-.1330			
.402	.402	.1040					
.497	.497						
.590	.590						
.065	.065						
.600	.600						
.650	.650						
.700	.700	-.1480		-.3020		-.2530	-.2190
.725	.725			-.3020		-.3230	-.3960
.750	.750						
.780	.780			-.4250		-.4040	-.3650
.775	.775			-.4190			
.808	.808						
.834	.834	-.4380		-.5340	-.4810	-.4880	
.890	.890			-.5630			
.857	.857						
.865	.865	-.3390					
.910	.910	-.2930		-.1970			-.4250
.905	.905			-.2250			
.950	.950			-.1670	-.3260	-.5630	
.953	.953			-.1700			
.965	.965	-.1550					
Y/BW	X/CW	.299	.364	.427	.534	.673	.780
							.887
X/CW		-.4850	-.1720	.3270	.5460	.4680	.4300
.000	.000				-.0270	-.1630	-.2500
.050	.050			.1990			-.2950
.081	.081						
.086	.086	.0980					
.084	.084						
.150	.150	-.2250			.0280	-.0260	-.0640
.177	.177			.0610			-.1490
.229	.229	.0780					
.246	.246	.1750					
.250	.250				-.0620	-.0890	-.0170
.362	.362	.1690					-.1460
.410	.410				-.0750	-.0440	-.1120
.412	.412			-.1140			
.497	.497	.1440					

MACH (3) = 1.100 BETAT (6) = 4.130

DATE 01 SEP 73
TABULATED PRESSURE DATA - 1A9A

(RBM.D06)

AVES 11-707 1A9 OEA + S3 + T9 LOWER WING

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (3) = 1.101 BETAT (0) = 0.280

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.965	-.2200						

MACH (4) = 1.248 BETAT (1) = -0.180

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	.0120	.0080	.4120	.8250	.7640	.7650	.6860
.050			.3700	.2320	.1850	.0880	.0690
.081		-.0140					
.086							
.094	-.0350			.3540	.2690	.1620	.2110
.190			.3570				
.177							
.229	-.0280	.3120					
.246				.2360	.2180	.2450	.2250
.250				.2250	.2120		.2180
.382	.0010		.2070				
.400							
.402							
.497	.4310		.1030	.1050	-.0020		-.0260
.550							
.565							
.600							
.650	.0990			-.0780	-.1220	-.0580	
.710							
.725							
.750							
.760							
.775							
.816							
.834	-.1690						
.850							
.857							
.865	-.3360						
.911	-.4450						
.915							
.950							
.953							
.965	-.4440						

MACH (4) = 1.248 BETAT (2) = -0.110

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.141	-.1040	-.0280	.3510	.7760	.7250	.7290	.6470
.151				.1700	.1280	.1140	.1130
.181			.3130				
.186		-.0580					
.194	-.1160						

DATE 20 SEP 73

TABULATED PRESSURE DATA - IASA
AVES 11-707 IAS OEA + S3 + T9 LOWER WING

(08MLO6)

SECTION (1) LOWER WING

MACH (4) = 1.246

BETAT (3) = -4.070

DEPENDENT VARIABLE CP

Y/BW	X/CW	.299	.364	.427	.534	.673	.780	.887
.590				.0310	.0460	-.0360		
.565							-.0910	-.0640
.600								
.650		.0060			-.1600			
.700							-.1910	-.2350
.725								
.750				-.1860				
.760								
.775				-.2180				
.806								
.834		-.2050			-.2760	-.3090	-.3240	
.850				-.3360				
.857								
.865		-.3720						-.2990
.900		-.4750			-.3440			
.905				-.4620				
.950					-.4260	-.3690	-.4040	
.953				-.4970				
.965		-.3090						

MACH (4) = 1.246

BETAT (4) = -2.050

Y/BW	X/CW	.299	.364	.427	.534	.673	.780	.887
.000		-.1380	-.0900	.2790	.6760	.6280	.6330	.5620
.050				.2580	.1100	.0690	-.0790	-.0710
.081			-.1060					
.086								
.094		-.1180			.2030	.1780	.0520	.0840
.150				.2400				
.177		-.1030						
.229			.2100					
.246								
.250							.1150	.1170
.362		-.0110			.1320	.1840		
.400					.10790	.1950		.1390
.412				.1660				
.497		.2770						
.550					.01170	-.07500		
.565				-.1010				-.10910
.600							-.1060	
.650		-.1470			-.1920	-.1940		
.710							-.2070	-.2460
.725								
.750				-.2370				
.760					-.2530	-.2710		
.775								

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A

AVES 11-707 1A9 02A + S3 + T9 LOWER WING

(REPL 06)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (4) = 1.246 BETAT (4) = -2.030

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.867
.808							
.834							
.850							
.857							
.865							
.870							
.885							
.905							
.930							
.953							
.965							

MACH (4) = 1.246 BETAT (3) = 2.070

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.867
.000							
.050							
.061							
.066							
.094							
.150							
.177							
.229							
.246							
.250							
.362							
.400							
.402							
.497							
.590							
.565							
.620							
.650							
.700							
.725							
.750							
.760							
.775							
.818							
.834							
.850							
.857							
.865							
.910							
.915							
.950							
.953							

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A

AVES 11-707 IAS O2A + S3 + T9 LOWER WING

(REMARKS)

SECTION (1) LOWER WING		DEPENDENT VARIABLE CP							
MACH (4) = 1.248 BETAT (5) = 2.070		Y/BW	.299	.364	.427	.534	.673	.780	.867
		X/CW	.965	-.2370					
MACH (4) = 1.247 BETAT (6) = 4.110		Y/BW	.299	.364	.427	.534	.673	.780	.867
		X/CW							
		.000	-.3670	-.1410	.2710	.5520	.4850	.4760	.4620
		.050				.0280	-.0830	-.2250	-.1720
		.081			.2060				
		.086		-.1530					
		.094	-.1880			.0250	.0430	-.0600	-.0220
		.150			.1120				
		.177							
		.229	-.1860	.1740					
		.246				-.0230	-.0530	.0140	.0600
		.250							
		.362	.1270			-.0270	.0110		.0910
		.400			-.0460				
		.402							
		.497	.0330			-.0930	-.1330		
		.550			-.1180				-.1330
		.565						-.1450	
		.600							
		.650							
		.700	-.1480			-.2050		-.2500	-.2680
		.725							
		.750							
		.780							
		.775			-.2910	-.2530	-.2820		
		.818			-.2990				
		.834	-.3020			-.3360	-.3320	-.3470	
		.850							
		.857			-.4100				-.3290
		.865	-.3040			-.4140			
		.911	-.2300						
		.915			-.4490				
		.950			-.4670	-.4150	-.4410		
		.953			-.3290				
		.965	-.1800						
MACH (4) = 1.248 BETAT (7) = 6.160		Y/BW	.299	.364	.427	.534	.673	.780	.867
		X/CW							
		.142	-.4230	-.1590	.2270	.5660	.4570	.4550	.3830
		.150				.10780	-.14690	-.2220	-.1790
		.181			.1890				
		.186		-.1080					
		.194	-.2250						

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A

AWES 11-707 1A9 ORA + S3 + T9 LOWER MINE

(R0M4L06)

SECTION (1) LOWER MINE

DEPENDENT VARIABLE CP

MACH (4) = 1.248 BETAT (7) = 6.160

Y/BW X/CW	.299	.364	.427	.534	.673	.781	.887
.190			.1190				
.177	-.2070						
.229		.1330					
.246				.0300	-.0320	-.0140	-.0030
.250							
.362	.0780			-.0500	-.0140		.0420
.400			-.0650				
.402							
.497	.0170			-.0610	-.1430		
.550			-.0690				-.1430
.565							
.600							
.650	-.0680			-.2370	-.2320		
.700							
.725							
.750							
.760							
.775							
.808							
.834	-.2680						
.850							
.857							
.865	-.2680						
.900	-.2420						
.905							
.950							
.953							
.965	-.2350						
.965							

MACH (4) = 1.248 BETAT (8) = 8.200

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.140							
.090	-.4500	-.1750	.2250	.5110	.4180	.4130	.3350
.161			.1910	.0570	-.1390	-.1780	-.2120
.186		.0230					
.194	-.2480						
.190							
.177			.1340				
.229	-.1170						
.246		.1310					
.250							
.362	.0780			-.0780	-.1460	-.1360	-.1210
.411							
.412				-.0450	-.0360		.0280
.497			-.1490				

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A

AVES 11-707 1A9 02A + S3 + T9 LOWER WING

(RBM406)

SECTION (1) LOWER WING

MACH (4) = 1.248 BETAT (8) = 8.200

DEPENDENT VARIABLE CP

	Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW								
.590				-.1520	-.1300	-.1770		
.565							-.2010	-.1680
.600								
.650								
.700		-.1610				-.2710		
.725				-.2720			-.2760	-.3240
.750								
.760				-.3620				
.775				-.3370		-.3460	-.3310	
.808								
.834		-.2280			-.4390	-.3680	-.3910	
.850				-.3090				
.857								
.865		-.2290			-.4540			-.3720
.900		-.2100						
.915				-.2890				
.950					-.3940	-.4740	-.4690	
.953				-.2420				
.965		-.1800						

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

AVES 11-707 1A9 02A + S3 + T9 LOWER WING

(RBM457)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = .598 BETAT (3) = -4.050

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.550							
.565							
.580							
.590							
.600							
.610							
.625							
.640							
.650							
.660							
.675							
.685							
.695							
.705							
.715							
.725							
.735							
.745							
.755							
.765							
.775							
.785							
.795							
.805							
.815							
.825							
.835							
.845							
.855							
.865							
.875							
.885							
.895							
.905							
.915							
.925							
.935							
.945							
.955							
.965							

MACH (1) = .295 BETAT (4) = -2.020

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000							
.010							
.020							
.030							
.040							
.050							
.060							
.070							
.080							
.090							
.100							
.110							
.120							
.130							
.140							
.150							
.160							
.170							
.180							
.190							
.200							
.210							
.220							
.230							
.240							
.250							
.260							
.270							
.280							
.290							
.300							
.310							
.320							
.330							
.340							
.350							
.360							
.370							
.380							
.390							
.400							
.410							
.420							
.430							
.440							
.450							
.460							
.470							
.480							
.490							
.500							
.510							
.520							
.530							
.540							
.550							
.560							
.570							
.580							
.590							
.600							
.610							
.620							
.630							
.640							
.650							
.660							
.670							
.680							
.690							
.700							
.710							
.720							
.730							
.740							
.750							
.760							
.770							

TABULATED PRESSURE DATA - 1A9A

DATE 20 SEP 73

(RBNL07)

ANES 11-707 1A9 CEA + S3 + T9 LOWER WING

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (1) = .597 BETAT (5) = .020

Y/BW .299
X/CW .965

.534 .673 .760 .887

MACH (1) = .597 BETAT (6) = 2.080

Y/BW .299
X/CW .0040

.534 .673 .760 .887

.4360 .3930 .4060 .2950

-.1180 -.0960 -.1260 -.0850

.0370

.0010

-.0640 -.0660 -.0590 -.0560

-.0530

.0530

-.1400 -.0910 -.0770 -.0660

-.1200 -.1200

-.1630

-.2410 -.2510

-.2480

-.2320

-.2730

-.2990

-.1990

-.1920 -.1760 -.1640

-.1740

-.1030

-.1030

-.1030

-.1030

-.1030

-.1030

-.1030

-.1030

-.1030

-.1030

-.1030

-.1030

-.1030

-.1030

-.1030

-.1030

-.1030

-.1030

-.1030

-.1030

-.1030

-.1030

-.1030

MACH (1) = .599 BETAT (7) = 4.080

Y/BW .299

X/CW .0040

.144

.141

.141

.146

.194

-.0110

-.0170

-.0110

-.0110

-.0110

-.0110



DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A

AVES 11-707 1A9 02A + S3 + T9 LOWER WING

(RBM4D7)

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (1) = .999 BETAT (7) = 4.080

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.190			-.0530				
.177	.0020						
.229		.0200					
.246							
.250							
.362	.0250						
.400							
.402							
.497	-.0960						
.590							
.565							
.600							
.650							
.700	-.2110						
.725							
.750							
.760							
.775							
.808							
.834	-.1560						
.850							
.857							
.865	-.1170						
.900	-.1070						
.905							
.950							
.953							
.965	-.0780						
Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW	-.1860	-.0640	.1770	.3680	.3190	.3300	.2160
.160							
.050							
.081							
.086							
.194	-.0270						
.150							
.177							
.229	-.0080						
.246		.0140					
.250							
.362	.0140						
.400							
.402							
.497							

MACH (1) = .997 BETAT (8) = 6.110

.160							
.050							
.081							
.086							
.194							
.150							
.177							
.229							
.246							
.250							
.362							
.400							
.402							
.497							

DEPENDENT VARIABLE CP

-.427 -.334 -.2110 -.2370

0022:- 0022:-

6270

-.2490
-.2760

20.50 - .2250 - .2350

- .2600
- .2250 - .2370

-1770

-.2010 -.1730 -.1760

1060
1061
1062

1057
1140

0900' 0800' 0700'-

•

.427 .534 .573 .760 .887

1937	.3300	.2790	.2840	.1540
------	-------	-------	-------	-------

1.1200 -0.0670 -0.0690 -0.0680

.0740

— (1361) — (1430) — (1561) — (1660)

1249

100

-.11(2) -.07(6) -.11(6) -.13(7)

-.0790 -.1050 -.1350

MI:-

1961
1959
1957

1222'-
112'-

0162 -

1662 - 2234 - 2271

-2331) -2191 -2361

DATE 20 SEP 73
 TABULATED PRESSURE DATA - 1A9A
 AVES 11-707 1A9 02A + S3 + T9 LOWER WING (RBMLO7)

SECTION (1) LOWER WING		DEPENDENT VARIABLE CP			
MACH (1) = .997 BETAT (9) = 0.140		Y/BM	X/BM	Y/BM	X/BM
		.806	.806	.806	.806
		.834	.834	.834	.834
		.850	.850	.850	.850
		.857	.857	.857	.857
		.865	.865	.865	.865
		.900	.900	.900	.900
		.905	.905	.905	.905
		.950	.950	.950	.950
		.953	.953	.953	.953
		.965	.965	.965	.965
		.299	.299	.299	.299
		.364	.364	.364	.364
		.427	.427	.427	.427
		.534	.534	.534	.534
		.673	.673	.673	.673
		.780	.780	.780	.780
		.887	.887	.887	.887
		-.1970	-.1970	-.1970	-.1970
		-.1410	-.1410	-.1410	-.1410
		-.1310	-.1310	-.1310	-.1310
		-.1330	-.1330	-.1330	-.1330
		-.0320	-.0320	-.0320	-.0320
		-.1260	-.1260	-.1260	-.1260
		-.1690	-.1690	-.1690	-.1690
		.299	.299	.299	.299
		.364	.364	.364	.364
		.427	.427	.427	.427
		.534	.534	.534	.534
		.673	.673	.673	.673
		.780	.780	.780	.780
		.887	.887	.887	.887
		.000	.000	.000	.000
		.050	.050	.050	.050
		.081	.081	.081	.081
		.086	.086	.086	.086
		.094	.094	.094	.094
		.150	.150	.150	.150
		.177	.177	.177	.177
		.229	.229	.229	.229
		.246	.246	.246	.246
		.250	.250	.250	.250
		.362	.362	.362	.362
		.400	.400	.400	.400
		.402	.402	.402	.402
		.497	.497	.497	.497
		.550	.550	.550	.550
		.565	.565	.565	.565
		.600	.600	.600	.600
		.650	.650	.650	.650
		.710	.710	.710	.710
		.725	.725	.725	.725
		.750	.750	.750	.750
		.760	.760	.760	.760
		.775	.775	.775	.775
		.818	.818	.818	.818
		.834	.834	.834	.834
		.850	.850	.850	.850
		.857	.857	.857	.857
		.865	.865	.865	.865
		.910	.910	.910	.910
		.915	.915	.915	.915
		.950	.950	.950	.950
		.953	.953	.953	.953
		-.1750	-.1750	-.1750	-.1750
		.1220	.1220	.1220	.1220
		.1120	.1120	.1120	.1120
		.0560	.0560	.0560	.0560
		.2100	.2100	.2100	.2100
		.2750	.2750	.2750	.2750
		.0710	.0710	.0710	.0710
		.0630	.0630	.0630	.0630
		.0170	.0170	.0170	.0170
		-.0790	-.0790	-.0790	-.0790
		.0440	.0440	.0440	.0440
		.0330	.0330	.0330	.0330
		-.1640	-.1640	-.1640	-.1640
		-.3140	-.3140	-.3140	-.3140
		-.1400	-.1400	-.1400	-.1400
		-.3340	-.3340	-.3340	-.3340
		-.3790	-.3790	-.3790	-.3790
		-.5140	-.5140	-.5140	-.5140
		-.5150	-.5150	-.5150	-.5150
		-.6570	-.6570	-.6570	-.6570
		-.6160	-.6160	-.6160	-.6160
		-.5570	-.5570	-.5570	-.5570
		-.2020	-.2020	-.2020	-.2020
		-.1450	-.1450	-.1450	-.1450
		-.1550	-.1550	-.1550	-.1550
		-.1940	-.1940	-.1940	-.1940
		-.4150	-.4150	-.4150	-.4150
		-.2190	-.2190	-.2190	-.2190
		-.1480	-.1480	-.1480	-.1480
		-.0680	-.0680	-.0680	-.0680
		.1580	.1580	.1580	.1580
		.1570	.1570	.1570	.1570
		.1640	.1640	.1640	.1640
		.1340	.1340	.1340	.1340

TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 02A + S3 + T9 LOWER WING

(RBM4.07)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = .099 BETAT (3) = -4.080

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.130							
.177			.1320				
.229	.1160	.2100					
.246				-.0100	.0210	.0070	-.0390
.250				.0980	.0510	.0480	-.0030
.362	.2290						
.400				-.0080	-.0350		-.1270
.402			-.0360				
.497	.1500						
.530			-.1680	-.2020	-.3410		
.565							
.600							
.650							
.700	-.1420			-.5370	-.5310	-.4120	-.3870
.725							
.750							
.760							
.775							
.808							
.834	-.2930						
.850							
.857							
.865	-.3690						
.900	-.1860			-.0270			-.0160
.905							
.950				.0780	.0750	.0900	
.953							
.965	-.0150						
Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.144	-.0570	.0590	.3660	.5670	.5120	.5190	.3890
.050				.1020	.1160	-.1420	-.1650
.181			.1920				
.186							
.194	.1520			.0590	.0140	.1110	-.0340
.150							
.177				.0890			
.229	.1010						
.246		.1810					
.250							
.362				-.0490	-.0130	-.0230	-.1610
.410	.1930						
.410				-.0340	-.1680		-.1540
.412							
.497	.1960			-.0760			

MACH (2) = .901 BETAT (4) = -2.030

TABULATED PRESSURE DATA - 1A9A

AWES 11-707 1A9 C2A + S3 + T9 LOWER WING

(RBNL57)

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (2) = .901 BETAT (6) = 2.070

Y/BW .299 .364 .427 .534 .673 .780 .887

X/CW .965 -.0330

MACH (2) = .906 BETAT (7) = 4.120

Y/BW .299 .364 .427 .534 .673 .780 .887

X/CW .000 .0070 .2710 .4840 .4050 .3970 .2300

.090 .1290 -.0790 -.1180 -.1410

.081 .0510 .0000

.086 .0320 -.0260 -.0570 -.0560 -.0940

.094 .150 .177 .0820 .1040

.229 .246 .250 .362 .400 .402

.497 -.0380 -.1110

.550 .565 .600 .650 .700

.725 .750 .760 .775 .808

.834 .850 .857 .865 .900

.910 .915 .950 .953 .965

-.1050 -.4700 -.5230 -.5150

-.3780 -.2920 -.4270

-.2570 -.1680 -.1280 -.0920

-.1620 -.1430

-.0820 .0750 .0910 .0940

.0140

-.1650

.299 .364 .427 .534 .673 .780 .887

X/CW -.1430 -.0030 .2380 .4220 .3750 .3640 .2520

.1440 .150 .181 .186 .194

.1310

-.0520 -.1240 -.1550

.1320

.1430

.1310

MACH (2) = .901 BETAT (8) = 6.180

Y/BW .299 .364 .427 .534 .673 .780 .887

X/CW -.1430 -.0030 .2380 .4220 .3750 .3640 .2520

.1440 .150 .181 .186 .194

.1310

-.0520 -.1240 -.1550

.1320

.1430

.1310

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

(RBM107)

AMES 11-707 1A9 02A + S3 + T9 LOWER MING

DEPENDENT VARIABLE CP

SECTION (1) LOWER MING

MACH (2) = .903 BETAT (8) = 6.180

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.190			.0100	-.0210	-.0630	-.0660	-.1110
.177							
.229	.0580	.0930					
.246				-.1090	-.0750	-.0890	-.1300
.250							
.362	.0890			-.0710	-.1270		-.2050
.400			-.1160				
.402							
.497	-.0380		-.2190	-.2360	-.3890		-.4510
.550							
.565							
.600							
.650							
.700	-.1800			-.4310	-.5060		-.4570
.725							
.750							
.760							
.775							
.808							
.834	-.2190						
.850							
.857							
.865	-.2320						
.900	-.1820						
.905							
.950							
.953							
.965	-.1290						
Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.164							
.150							
.181							
.186							
.194							
.150							
.177							
.229	.1450						
.246							
.250							
.362	.1860						
.400							
.402							

MACH (2) = .903 BETAT (9) = 8.220

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.164							
.150							
.181							
.186							
.194							
.150							
.177							
.229	.1450						
.246							
.250							
.362	.1860						
.400							
.402							

TABULATED PRESSURE DATA - IA9A

AMES 11-757 1A9 CEA + S3 + T9 LOWER WING

(RBML 57)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (3) = 1.100 BETAT (1) = -8.215

Model	Mean	SD	SE
Model 1	1.00	0.00	0.00
Model 2	1.00	0.00	0.00
Model 3	1.00	0.00	0.00
Model 4	1.00	0.00	0.00
Model 5	1.00	0.00	0.00
Model 6	1.00	0.00	0.00
Model 7	1.00	0.00	0.00
Model 8	1.00	0.00	0.00
Model 9	1.00	0.00	0.00
Model 10	1.00	0.00	0.00
Model 11	1.00	0.00	0.00
Model 12	1.00	0.00	0.00
Model 13	1.00	0.00	0.00
Model 14	1.00	0.00	0.00
Model 15	1.00	0.00	0.00
Model 16	1.00	0.00	0.00
Model 17	1.00	0.00	0.00
Model 18	1.00	0.00	0.00
Model 19	1.00	0.00	0.00
Model 20	1.00	0.00	0.00
Model 21	1.00	0.00	0.00
Model 22	1.00	0.00	0.00
Model 23	1.00	0.00	0.00
Model 24	1.00	0.00	0.00
Model 25	1.00	0.00	0.00
Model 26	1.00	0.00	0.00
Model 27	1.00	0.00	0.00
Model 28	1.00	0.00	0.00
Model 29	1.00	0.00	0.00
Model 30	1.00	0.00	0.00
Model 31	1.00	0.00	0.00
Model 32	1.00	0.00	0.00
Model 33	1.00	0.00	0.00
Model 34	1.00	0.00	0.00
Model 35	1.00	0.00	0.00
Model 36	1.00	0.00	0.00
Model 37	1.00	0.00	0.00
Model 38	1.00	0.00	0.00
Model 39	1.00	0.00	0.00
Model 40	1.00	0.00	0.00
Model 41	1.00	0.00	0.00
Model 42	1.00	0.00	0.00
Model 43	1.00	0.00	0.00
Model 44	1.00	0.00	0.00
Model 45	1.00	0.00	0.00
Model 46	1.00	0.00	0.00
Model 47	1.00	0.00	0.00
Model 48	1.00	0.00	0.00
Model 49	1.00	0.00	0.00
Model 50	1.00	0.00	0.00
Model 51	1.00	0.00	0.00
Model 52	1.00	0.00	0.00
Model 53	1.00	0.00	0.00
Model 54	1.00	0.00	0.00
Model 55	1.00	0.00	0.00
Model 56	1.00	0.00	0.00
Model 57	1.00	0.00	0.00
Model 58	1.00	0.00	0.00
Model 59	1.00	0.00	0.00
Model 60	1.00	0.00	0.00
Model 61	1.00	0.00	0.00
Model 62	1.00	0.00	0.00
Model 63	1.00	0.00	0.00
Model 64	1.00	0.00	0.00
Model 65	1.00	0.00	0.00
Model 66	1.00	0.00	0.00
Model 67	1.00	0.00	0.00
Model 68	1.00	0.00	0.00
Model 69	1.00	0.00	0.00
Model 70	1.00	0.00	0.00
Model 71	1.00	0.00	0.00
Model 72	1.00	0.00	0.00
Model 73	1.00	0.00	0.00
Model 74	1.00	0.00	0.00
Model 75	1.00	0.00	0.00
Model 76	1.00	0.00	0.00
Model 77	1.00	0.00	0.00
Model 78	1.00	0.00	0.00
Model 79	1.00	0.00	0.00
Model 80	1.00	0.00	0.00
Model 81	1.00	0.00	0.00
Model 82	1.00	0.00	0.00
Model 83	1.00	0.00	0.00
Model 84	1.00	0.00	0.00
Model 85	1.00	0.00	0.00
Model 86	1.00	0.00	0.00
Model 87			

- .3500	- .4540	- .3840	- .1970	
	- .5050			- .3480
		- .5090		
		- .3760		
		- .5160	- .5230	- .4920
				- .2320

$$\text{MACH} (3) = 1.099 \quad \text{BETAT} (2) = -6.140$$

17BM	299	354	427	534	615	671	718
0.00	-1.580	-1.0670	.4990	.7270	.6610	.6710	.5520
.050				.2490	.2260	.1950	.1750
.101			.3880				
.151		-.1280					
.206	-.1140		.3070	.2780	.2230	.2340	.1820
.254							
.302	-.1080	.3460		.1730	.2120	.1790	.1820
.352	.3410		.1430	.1970	.1580		.1510
.402							
.457	.3410		.1560	.1060	-.1050		
.501							
.555			.1560				-.1280
.604							
.651							
.704	.1050			-.2130	-.2260		
.725							
.750			-.3440	-.3290	-.3140		
.775			-.3450				
.818							
.844	-.3480			-.4690	-.4120	-.4170	
.850			-.5230				
.857				-.5250			
.865	-.5330						
.910	-.4810		-.2370	-.2840	-.5400	-.5300	
.915							
.950							

10

TABULATED PRESSURE DATA - 1A9A

DATE 20 SEP 73

(RBMAL07)

AMES 11-707 1A9 02A + S3 + T9 LOWER WING

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (3) = 1.099 BETAT (2) = -6.140

Y/BW .299 .364 .427 .534 .673 .790 .887
X/CW .965 -.1790

MACH (3) = 1.098 BETAT (3) = -4.080

Y/BW .299 .364 .427 .534 .673 .780 .887
X/CW .000 -.2060 -.1100 .4700 .6950 .6250 .6320 .5290
.090 .3520 .1990 .1680 .1140 .1050

.061 .0440 .2350 .1580 .1780 .1410
.066 .094 .150 .177 -.1200 .3120 .1140 .1500 .1610 .1330
.246 .250 .362 .400 .402 .497 .2660 .0680 .1290 .1060 .1080

.550 .610 .650 .700 .725 .750 .760 .775 .818 .834 .850 .857 .865 .910 .915 .950 .953 .965
-.0080 -.0040 -.0830 -.1010 -.1630 -.2450 -.2310 -.3650 -.3460 -.3330 -.3610 -.4830 -.4190 -.4370

-.5360 -.5170 -.1640 -.2210 -.5540 -.5250 -.1730
-.1400 .299 .364 .427 .534 .673 .780 .887
X/CW -.2650 -.1420 .4320 .6520 .5850 .5880 .4950 .5210
.148 .101 .141 .106 .194 -.1780 .3130 .1170

-.1780

MACH (3) = 1.101 BETAT (4) = -2.030

Y/BW .299 .364 .427 .534 .673 .780 .887
X/CW -.2650 -.1420 .4320 .6520 .5850 .5880 .4950 .5210
.148 .101 .141 .106 .194 -.1780 .3130 .1170

-.1780

TABULATED PRESSURE DATA - 1A9A

AVES 11-707 1A9 OCA + S3 + T9 LOWER WING

DATE 20 SEP 73

(RBM,57)

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (3) = 1.101 BETAT (4) = -2.030

Y/BW .299 .364 .427 .534 .673 .780 .887
X/CW .150 .177 .229 .246 .250 .362 .402 .487 .550 .565 .600 .650 .700 .725 .750 .760 .775 .808 .834 .850 .857 .865 .900 .905 .950 .953 .965

.2140

.0560 .0840 .1240 .0660 .0820

.0710 .0680 .0170

-.0670 -.1250

-.0680

-.2370

-.3480 -.3330

-.3700

-.4880 -.4230 -.4260

-.5470

-.3250

-.1830

-.1860 -.5580 -.5220

-.1710

-.1260

.299 .364 .427 .534 .673 .780 .887

-.4470 -.1570 .3470 .5780 .5250 .5140 .4350

.0710 .1490 -.1420 -.1740

.2500

.1880

-.2260

.194 .150 .177 .1280

.229 .1820

.246 .2100

.250 .230 .246 .2100

.362 .1940

.400 .1570 .1180

.412 .1130

.457 .1190

MACH (3) = 1.099 BETAT (5) = 2.070

Y/BW .299 .364 .427 .534 .673 .780 .887
X/CW .150 .177 .229 .246 .250 .362 .402 .487 .550 .565 .600 .650 .700 .725 .750 .760 .775 .808 .834 .850 .857 .865 .900 .905 .950 .953 .965

.2140

.0560 .0840 .1240 .0660 .0820

.0710 .0680 .0170

-.0670 -.1250

-.0680

-.2370

-.3480 -.3330

-.3700

-.4880 -.4230 -.4260

-.5470

-.3250

-.1830

-.1860 -.5580 -.5220

-.1710

-.1260

.299 .364 .427 .534 .673 .780 .887

-.4470 -.1570 .3470 .5780 .5250 .5140 .4350

.0710 .1490 -.1420 -.1740

.2500

.1880

-.2260

.194 .150 .177 .1280

.229 .1820

.246 .2100

.250 .230 .246 .2100

.362 .1940

.400 .1570 .1180

.412 .1130

.457 .1190

ABULATED PRESSURE DATA - 1A9A

DATE 20 SEP 75

AMES 11-707 1A9 02A + S3 + T9 LOWER WING

(RPMU07)

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (3) = 1.099 BETAT (5) = 2.070

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.590							
.565							
.600							
.690							
.700							
.725							
.750							
.760							
.775							
.808							
.834							
.850							
.857							
.865							
.900							
.905							
.950							
.955							
.965							
.590							
.565							
.600							
.690							
.700							
.725							
.750							
.760							
.775							
.808							
.834							
.850							
.857							
.865							
.900							
.905							
.950							
.955							
.965							
.590							
.565							
.600							
.690							
.700							
.725							
.750							
.760							
.775							
.808							
.834							
.850							
.857							
.865							
.900							
.905							
.950							
.955							
.965							

MACH (3) = 1.100 BETAT (6) = 4.140

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000							
.030							
.061							
.086							
.094							
.150							
.177							
.229							
.246							
.250							
.362							
.410							
.402							
.497							
.550							
.565							
.640							
.650							
.700							
.725							
.750							
.760							
.775							

TABULATED PRESSURE DATA - IASA

AVES 11-707 IAS OEA + 83 + T9 L/XER WING

DATE RU SEP 73

(RDMLO7)

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (3) = 1.100 BETAT (6) = 4.140

Y/BW .299 .364 .427 .534 .673 .760 .887
X/CW
.806
.834
.850
.857
.865
.870
.885
.890
.893
.895
-.4140
-.5380
-.4660
-.4790
-.4820
-.2120
-.2530
-.1740
-.3080
-.5680
-.1440

MACH (3) = 1.101 BETAT (7) = 6.200

Y/BW .299 .364 .427 .534 .673 .760 .887
X/CW
.000
.050
.081
.086
.094
.150
.177
.229
.246
.250
.362
.400
.402
.497
.550
.565
.600
.650
.700
.725
.750
.760
.775
.808
.834
.850
.857
.865
.900
.915
.950
.953
-.5620
-.1940
.2560
.0560
-.0110
-.0340
-.0950
.2370
.0950
-.2760
.0630
.1790
.1510
.0720
-.0720
-.1150
-.1080
-.1390
-.2290
-.3050
-.3340
-.3940
-.4240
-.3670
-.3430
-.5220
-.4770
-.4820
-.3720
-.2510
-.4920
-.3130
-.1730
-.2400
-.5590
-.1480

TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 02A + 93 + T9 LOWER WING

(RBM_07)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

NACH (4) = 1.248 BETAT (2) = -6.110

.427	.534	.673	.780	.887
------	------	------	------	------

.1210 .0130

0900' - 0911'

-.1070
-.0930

-0480 -1310 -1780

.1340

02017 - 1020
- 1340 - 04017

- 3651 - - 2280 - - 3570

DATE: 11-11-80

--.3450
 --.2480

-4440
 -4180 -3530 -3520

-4910

.427 .534 .673 .760 .887

3,470	7,530	6,870	6,920	5,820
2,320	2,200	1,970	1,970	1,957

0.3560
0.2430
0.2550
0.1010
0.0000

	.3120	.2659	.1770	.2360
--	-------	-------	-------	-------

1728.

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)	(41)	(42)	(43)	(44)	(45)	(46)	(47)	(48)	(49)	(50)	(51)	(52)	(53)	(54)	(55)	(56)	(57)	(58)	(59)	(60)	(61)	(62)	(63)	(64)	(65)	(66)	(67)	(68)	(69)	(70)	(71)	(72)	(73)	(74)	(75)	(76)	(77)	(78)	(79)	(80)	(81)	(82)	(83)	(84)	(85)	(86)	(87)	(88)	(89)	(90)	(91)	(92)	(93)	(94)	(95)	(96)	(97)	(98)	(99)	(100)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	

1940, 1941, 1942, 1943, 1944, 1945, 1946, 1947, 1948, 1949, 1950, 1951, 1952, 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 26

0171
01907 12000

1961 - 1962

05670
0271-

-0.0501)

-1186

- 1597)

— 354 — (1717)

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A
 AMES 11-707 1A9 OZA + S3 + T9 LOWER MING

(RPM4D7)

SECTION (1) LOWER MING

DEPENDENT VARIABLE CP

MACH (4) = 1.247 BETAT (4) = -2.030

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW	.963	-.3080					

MACH (4) = 1.247 BETAT (5) = 2.080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW	.000	-.3280	.3430	.6310	.5360	.5560	.4490
	.090			.1480	.1040	.1060	.0340
	.081		.3030				
	.066	-.1190					
	.084	-.1290		.1660	.1560	.1060	.1070
	.190		.2070				
	.177						
	.229	-.1280					
	.246	.2080		.1020	.0550	.1070	.1170
	.290			.0330	.0690		.1320
	.362	.1680					
	.400		.0080				
	.402						
	.497	.1880		-.0620	-.1110		
	.530		-.0630			-.1360	-.1040
	.565						
	.600						
	.650	-.0870		-.1790	-.1950		
	.700					-.2280	-.2690
	.725						
	.750						
	.760		-.2560				
	.775			-.2350	-.2630		
	.818		-.2730				
	.834	-.2660		-.3410	-.3160	-.3240	
	.850						
	.857						
	.865	-.4170					
	.910	-.3670		-.3560			
	.915						
	.950			-.4580	-.3890	-.4130	
	.953						
	.965	-.2210		-.2570			

MACH (4) = 1.245 BETAT (6) = 4.110

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW	.1440	-.4010	-.1630	.2880	.5680	.4990	.4520
	.1590			.1150	.1250	.1840	.0350
	.181		.2560				
	.186	-.1320					
	.194	-.1640					

0.334	0.073	0.002	0.1480
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1325

00000

.242D

21351

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DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A
ANES 11-707 1A9 02A + S3 + T9 LOWER MING

(RBM407)

SECTION (1) LOWER MING

MACH (4) = 1.246 BETAT (7) = 6.150

DEPENDENT VARIABLE CP

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							
.806							
.834							
.857							
.865							
.900							
.905							
.950							
.953							
.965							

MACH (4) = 1.247 BETAT (8) = 6.190

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000							
.050							
.081							
.086							
.094							
.150							
.177							
.229							
.246							
.251							
.362							
.411							
.412							
.497							
.551							
.565							
.611							
.651							
.711							
.725							
.751							
.761							
.775							

DATE 20 SEP 73

TABULATED PRESSURE DATA - (A9A)

AVES 11-707 IAG Q2A + S3 + T9 LOWER WING

(RBM,07)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (5) = 1.395 BETAT (1) = -6.180

Y/BW
X/CW

.299 .364 .427 .534 .673 .780 .887

MACH (5) = 1.395 BETAT (2) = -6.120

Y/BW
X/CW

.299 .364 .427 .534 .673 .780 .887

.000 .0230 .3620 .8140 .7440 .7610 .7080

.080 .1360 .10370 .1200 .1960

.081 .1310

.086 .0410

.094 .0070

.190 .1470 .4120 .2400 .2780

.177 .2030

.229 .0090

.246 .0610

.250 .3500 .1900 .2960 .2940

.362 .2840 .2670 .3340

.400 .2560

.412 .1970 .0860

.497 .1890

.550 .0580

.565 .0230

.600 .0100

.690 .0960

.700 .0480 .0920

.725 .0660 .0970

.750 .1660

.760 .1440

.775 .1670

.808 .1780

.834 .2040

.850 .2170

.857 .3110

.865 .2770 .2570 .2540

.940 .3150

.915 .4320

.950 .364 .427 .534 .673 .780 .887

.953 .3440 .7570 .7170 .6780 .3360

.965 .1610 .1050 .1650 .1820 .1930

MACH (5) = 1.397 BETAT (3) = -4.080

Y/BW
X/CW

.299 .364 .427 .534 .673 .780 .887

.1440

.1550

.1610

.186

.194

TABULATED PRESSURE DATA - 1A9A

AVES 11-707 1A9 C2A + S3 + T9 LOWER WING

(R9M,07)

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (5) = 1.397 BETAT (3) = -4.080

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.150							
.177							
.229	-.0300						
.246		.0380					
.250							
.362	-.0180						
.400							
.402			.2040				
.497	.2960						
.550			.1420				
.565							
.600							
.650							
.700	.1140						
.725							
.750							
.760							
.775							
.808							
.834	-.0590						
.850							
.857							
.865	-.2170						
.900	-.3100						
.905							
.950							
.953							
.965	-.4370						

MACH (5) = 1.398 BETAT (4) = .020

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.150							
.177							
.229	-.0300						
.246		.0380					
.250							
.362	-.0180						
.400							
.402			.2040				
.497	.2960						
.550			.1420				
.565							
.600							
.650							
.700	.1140						
.725							
.750							
.760							
.775							
.808							
.834	-.0590						
.850							
.857							
.865	-.2170						
.900	-.3100						
.905							
.950							
.953							
.965	-.4370						

TABULATED PRESSURE DATA - 1A9A

DATE 20 SEP 73

AMES 11-707 1A9 O2A + S3 + T9 LOWER WING

(RBM4U7)

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (5) = 1.396 BETAT (4) = .020

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.950			.0260	.0490	-.0150		.0000
.965						-.1030	
.980							
.995	.0160			-.1050			
.703						-.1290	-.1610
.725							
.750							
.760							
.775							
.806							
.834	-.1270			-.2470	-.2280	-.2440	
.850							
.857							
.865	-.2750			-.2680			-.2200
.900	-.3570						
.905							
.950				-.3090	-.3080	-.3160	
.953							
.965	-.3420			-.3640			
Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.2720	-.1740	.1750	.5980	.5020	.5210	.4910
.050				.0830	-.0530	-.0260	-.0020
.081			.0880				
.086							
.094							
.150							
.177							
.229	-.1180		.1410				
.246		.0080					
.290							
.362	-.0830			.0670	-.0590	.0650	.0730
.400				.0440	.0480		.1480
.412			.0080				
.497	.0420						
.550				-.0110	-.0540		
.565							
.640			-.0230				-.0220
.650						-.0720	
.700	-.0610				-.1500		
.725				-.1300			-.1550
.750							-.1620
.760			-.2040				
.775				-.1960	-.1840		

TABII ATTED PRESSURE DATA - 1A9A

1A9 02A + S3 + T9 LOWER WING

SECTION 1101 (1) LOWER WING

DEPENDENT VARIABLE CP

$$\text{MACH} (5) = 1.394 \text{ BETAT} (5) = 4.110$$

MACH (5) = 1.394 BETAT (5) = 4.110			
X/Cu			
.808			
.834	-.2060		
.850		-.2790	-.2380
.857			-.2570
.865	-.3290		
.900	-.3210	-.3140	
.905			-.2350
.950		-.3510	-.3250
.953			-.3140
.965	-.2540	-.4000	
Y/Bu	.299	.364	.427
X/Cu	-.3600	-.1600	.0670
.000			
.090			.1180
.081		-.1310	
.086			
.094	-.1800		.1110
.150			.0670
.177			.0780
.229	-.1790		
.246		.0630	
.250			
.362	-.0100		
.400			-.0190
.402			
.497	-.0350		
.550			-.0630
.565			
.600			-.0350
.650			-.0680
.700	-.1220		
.725		-.2050	
.750			-.1820
.760			
.775		-.2740	
.818		-.2780	
.834	-.2290		
.850			
.857		-.3210	-.2870
.865	-.2670		-.2650
.900	-.2340		
.905		-.3620	
.950		-.3700	
.953		-.4050	-.3430
.955		-.3190	-.3310
			-.2430

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A (RBMLO7)

AXES 11-707 1A9 O2A + S3 + T9 LOWER WING

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

MACH (5) = 1.392 BETAT (6) = 8.210

	Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW	.965	-.2140						

REFERENCE DATA

ALPHAT =	2.000	ORBNIC =	.500
RUDDER =	.000	ELEVON =	.000
RUDFLR =	.000		

WEY =	2.4210 58.FT.	WAP =	29.9300 INCHES
LEW =	39.6490 INCHES	YAP =	.0000 INCHES
REP =	39.6490 INCHES	ZAP =	.0000 INCHES
SCALE =	.0300 SCALE		

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

ADAM (1) = 1.000
ALICE (1) = 1.000
BOB (1) = 1.000
CHARLIE (1) = 1.000
DAVE (1) = 1.000
EVE (1) = 1.000
FRANK (1) = 1.000
GEORGE (1) = 1.000
HELEN (1) = 1.000
IAN (1) = 1.000
JANE (1) = 1.000
JOHN (1) = 1.000
MARY (1) = 1.000
MICHAEL (1) = 1.000
PATRICIA (1) = 1.000
ROBERT (1) = 1.000
STEPHEN (1) = 1.000
TOM (1) = 1.000
VICTORIA (1) = 1.000
WILLIAM (1) = 1.000
Xavier (1) = 1.000
Yvonne (1) = 1.000
Zoe (1) = 1.000

Y/BW X/CW	.299	.364	.427	.534	.675	.760	.867
.000	-.0330	.0290	.2540	.4550	.3700	.3610	.1060
.040				.1570	.1680	.1520	.2050
.081			.2360				
.086		.1250					
.094	.0660			.1080	.1140	.1090	.1090
.150			.1250				
.177	.1150						
.229		.1900					
.246				.0100	.0430	.0500	.0590
.250							
.362	.1690			-.0670	-.0400		-.10410
.400			-.10690				
.402							
.497	.0960			-.2470	-.2350		-.1667
.550			-.2790			-.2060	
.565					-.2910		
.600							
.650				-.3140		-.2120	-.2350
.725	-.2970						
.750			-.3640				
.761				-.2710	-.2480		
.775			-.2540				
.818							
.834	-.3330			-.2150	-.1840	-.1770	
.850			-.2250				
.857							
.865	-.2590			-.1250			-.1290
.910	-.1740		-.1360	.0130	.0100	-.0010	
.915							
.951			-.1110				
.953							
.965	-.10400						
Y/BW X/CW	.299	.364	.427	.534	.675	.760	.867
.171	-.1720	-.1450	.2430	.4510	.3660	.3610	.1670
.191				.1230	.1440	.1410	.1670
.181			.2170				
.186		.1120					
.194	.11540						

$$\text{WACH} (1) = .598 \text{ BETAT} (2) = -6.1181$$

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

(R04L06)

ANES 11-707 1A9 02A + S3 + T9 LOWER WING

SECTION (1) LOWER WING

MACH (1) = .598 BETAT (2) = -6.060

DEPENDENT VARIABLE CP

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.150							
.177			.0970				
.229	.0980						
.246		.1680					
.250				-.0050	.0310	.0410	.0450
.362	.1690			-.0060	-.0510		-.0500
.400			-.0960				
.402							
.497	.0740			-.2320	-.2290		
.550							
.555							
.600							
.650							
.700	-.2740						
.725							
.750							
.760							
.775							
.806							
.834	-.2980						
.850							
.857							
.865	-.2540						
.900	-.1550						
.905							
.950							
.953							
.965	-.0400						
Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.020							
.050	-.1070	-.0260	.2280	.4340	.3540	.3430	.0730
.081				.1010	.1120	.1160	.1690
.086		.0810	.1680				
.194	.0460						
.190				.0730	.0830	.0830	.0710
.177			.0760				
.229	.0780						
.246		.1450					
.250							
.362	.1420			-.0130	.0210	.0290	.0360
.400							
.402							
.497							
.550							
.555							
.600							
.650							
.700							
.725							
.750							
.760							
.775							
.806							
.834							
.850							
.857							
.865							
.900							
.905							
.950							
.953							
.965							

MACH (1) = .598 BETAT (3) = -4.040

DATE RU SEP 75 TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 OCA + S3 + T9 LOWER WING (RPMLO8)

SECTION (1) LOWER WING		DEPENDENT VARIABLE CP	
MACH (1) = .596	BETAT (3) = -4.040	Y/BW X/CW	
		.590	
		.565	
		.600	
		.630	
		.70	
		.725	
		.750	
		.780	
		.775	
		.808	
		.834	
		.850	
		.957	
		.865	
		.900	
		.905	
		.950	
		.953	
		.965	
		.299	.364
		.427	.534
		.673	.780
		.887	.887
		-.2510	-.2260
		-.2710	-.2710
		-.2730	-.2730
		-.2070	-.2270
		-.3330	-.2410
		-.2210	-.2400
		-.1930	-.2000
		-.1730	-.1700
		-.1110	-.1110
		-.1140	.0130
		-.0070	.0050
		-.0430	
		.299	.364
		.427	.534
		.673	.780
		.887	.887
		-.1420	.2090
		-.0540	.4210
		.1560	.0580
		.0540	.1560
		.0280	.0490
		.0600	.0640
		.0510	.0510
		.0820	
		.0590	
		.1160	
		.246	
		.250	
		.362	
		.414	
		.412	
		.497	
		.591	
		.565	
		.641	
		.651	
		.711	
		.725	
		.751	
		.761	
		.775	
		-.2430	-.2640
		-.2660	-.2170
		-.3020	-.2340
		-.2360	-.1790
		-.2180	-.2010
		-.1100	-.0630
		-.0570	-.0630
		.1450	.0220
		.0360	.0180
		-.0690	-.0630
		-.2160	-.1790
		-.2160	-.2010
		-.2640	-.2170
		-.2280	-.2280
		-.2340	-.2340

MACH (1) = .597 BETAT (4) = -2.010

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

(R04L08)

AVES 11-707 1A9 02A + S3 + T9 LOWER WING

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (1) = .997 BETAT (4) = -2.010

1/8W X/CW	.299	.364	.427	.534	.673	.760	.887
.808							
.804	-.2380		-.2040				
.850				-.1950	-.1740	-.1720	
.857			-.1780				
.865	-.1780			-.1100			-.1140
.900	-.1150		-.1090				
.905				.0190	.0130	.0040	
.950			-.0040				
.953							
.965	-.0370						
1/8W X/CW	.299	.364	.427	.534	.673	.760	.887
.000	-.1850	-.0810	.1850	.4000	.3620	.3140	.0570
.050			.1370	.0340	.0540	.0750	.1250
.061		.0340					
.086				.0240	.0450	.0450	.0310
.094	.0190		.0310				
.150							
.177	.0400						
.229		.0990		-.0980	-.0070	.0080	-.0030
.246				-.0720	-.0650		-.0730
.250	.0910		-.1130				
.362							
.400				-.2110	-.2200		
.402							
.497	-.0210						
.590			-.2250				
.565							-.1810
.600					-.2720	-.2060	
.650	-.2260			-.2600			
.700							
.725							
.750			-.2920				
.760				-.2250	-.2350		
.775							
.818							
.834	-.2160			-.1880	-.1720	-.1660	
.850			-.1780				
.857							
.865	-.1680			-.1090			-.1170
.910	-.1100		-.1090				
.915				.0190	.0180	.0180	
.950							
.953				-.0080			

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DATE 20 SEP 73 TABULATED PRESSURE DATA - 1ASA

(RDMLO8)

AXES 11-707 1A9 02A + S3 + T9 LOWER MING

SECTION (1) LOWER MING

DEPENDENT VARIABLE CP

MACH (1) = .596 BETAT (5) = .020

MACH (1) = .599 BETAT (6) = 2.050

MACH (1) = .596 BETAT (7) = 4.080

Y/BM	.299	.364	.427	.534	.673	.780	.887
X/CW	.945	-.0400					
.000	.299	.364	.427	.534	.673	.780	.887
.050	-.2180	-.1080	.1610	.3720	.3080	.3050	.0340
.081			.1070	-.0050	.0210	.0390	.1020
.086		.0010					
.094	-.0010			.0070	.0140	.0160	.0130
.150			-.0010				
.177							
.229	.0230						
.246		.0680		-.0780	-.0310	-.0140	-.0240
.250		.0630		-.0850	-.0680		-.0910
.362			-.1240				
.400							
.402							
.497	-.0320			-.2130	-.2220		
.550			-.2240				-.1890
.565						-.2110	
.600							
.650	-.2220			-.2630			
.700							
.725							
.750							
.760			-.2930				
.775			-.1940				
.808							
.834	-.2110						
.850							
.857			-.1840				
.865	-.1830						
.910	-.1470			-.1170			-.1200
.915			-.1270	.0080	.0470	-.0410	
.950							
.953			-.0220				
.965	-.0680						
Y/BM	.299	.364	.427	.534	.673	.780	.887
X/CW							
.020	-.2500	-.1260	.1340	.3460	.2650	.2570	-.0520
.050				-.0410	.0220	.0520	.1160
.081			.0990				
.086		-.0110					
.094							
.150							
.177							
.229							
.246							
.250							
.362							
.400							
.402							
.497							
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							
.808							
.834							
.850							
.857							
.865							
.910							
.915							
.950							
.953							
.965							

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A
AVES 11-707 1A9 02A + S3 + T9 LOWER LINE

(RPM4.08)

SECTION (1) LOWER LINE

DEPENDENT VARIABLE CP

MACH (1) = .596 BETAT (7) = 4.060

Y/BW .299 .364 .427 .534 .673 .780 .887

X/CW

.0030 .0050 .0270 .0060

.190

-.0010

.177

.0340

-.0750 -.0240 -.0110 -.0260

.229

-.1120

-.0670 -.0710 -.0940

.246

-.1960

-.1890 -.2150 -.2060

.250

-.2460

-.2670 -.2230 -.2340

.362

-.1620

-.1950 -.1700 -.1760

.400

-.1160

-.1160

.402

-.1150

-.1150

.497

-.0320

-.0320

.550

-.0860

-.0860

.600

-.0530

-.0530

.650

-.0330

-.0330

.700

-.0260

-.0260

.725

-.0260

-.0260

.750

-.0260

-.0260

.760

-.0260

-.0260

.775

-.0260

-.0260

.806

-.0260

-.0260

.834

-.0260

-.0260

.850

-.0260

-.0260

.857

-.0260

-.0260

.865

-.0260

-.0260

.900

-.0260

-.0260

.905

-.0260

-.0260

.950

-.0260

-.0260

.953

-.0260

-.0260

.965

-.0260

-.0260

MACH (1) = .596 BETAT (8) = 6.110

Y/BW .299 .364 .427 .534 .673 .780 .887

X/CW

.0030 .0050 .0270 .0060

.190

-.0010

-.0750 -.0240 -.0110 -.0260

.229

-.1120

-.0670 -.0710 -.0940

.246

-.1960

-.1890 -.2150 -.2060

.250

-.2460

-.2670 -.2230 -.2340

.362

-.1620

-.1950 -.1700 -.1760

.400

-.1160

-.1160

.402

-.1150

-.1150

.497

-.0320

-.0320

.550

-.0860

-.0860

.600

-.0530

-.0530

.650

-.0330

-.0330

.700

-.0260

-.0260

.725

-.0260

-.0260

.750

-.0260

-.0260

.760

-.0260

-.0260

.775

-.0260

-.0260

.806

-.0260

-.0260

.834

-.0260

-.0260

.850

-.0260

-.0260

.857

-.0260

-.0260

.865

-.0260

-.0260

.900

-.0260

-.0260

.905

-.0260

-.0260

.950

-.0260

-.0260

.953

-.0260

-.0260

.965

-.0260

-.0260

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 CEA + S3 + T9 LOWER WING

(RPM, LB)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = .998 BETAT (0) = 6.11C

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.590							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							
.808							
.834							
.850							
.857							
.865							
.900							
.905							
.950							
.953							
.965							

MACH (1) = .999 BETAT (0) = 8.14D

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000							
.050							
.061							
.066							
.094							
.150							
.177							
.229							
.246							
.250							
.362							
.414							
.412							
.497							
.550							
.565							
.670							
.690							
.710							
.725							
.750							
.760							
.775							

DATE 20 SEP 75 TABULATED PRESSURE DATA - 1A9A

AMES 11-707 IAS OZA + S3 + T9 LOWER WING

(RBM4.08)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = .999 BETAT (3) = 0.140

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.808			-.1560				
.634	-.1800			-.1890	-.1800	-.1750	
.850			-.1540				
.857							
.865	-.1810			-.1250			-.1180
.800	-.1440						
.905			-.1290				
.950				-.0390	-.0160	-.0140	
.953			-.1200				
.965	-.1480						

MACH (2) = .902 BETAT (1) = -0.180

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.0340	.0850	.3820	.8010	.9070	.9140	.9010
.080			.3610	.2850	.2540	.2250	.2320
.081		.2000					
.086							
.094	.1010			.2390	.2050	.1940	.1360
.150			.2590				
.177	.1750						
.229		.3080					
.246				.1260	.1430	.1280	.0650
.250							
.382	.3130			.0870	.0450		-.0100
.400			.0720				
.402							
.497	.2870			-.1340	-.2580		
.550			-.1140				
.565							
.600							
.650	-.0610			-.4800	-.4640	-.3360	-.2710
.710							
.725							
.750			-.7080				
.760				-.6210	-.5630		
.775			-.5750				
.818							
.834	-.6360			-.2520	-.3610	-.5460	
.850			-.1930				
.857							
.865	-.3960			-.0660			-.3380
.910	-.2010						
.915			-.1670				
.950				.0570	.0520	-.0020	
.953			.0460				

DATE 14 SEP 73 TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 02A + S3 + 19 LOWER WING

(RBNLDS)

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (2) = .902 BETAT (1) = -6.180

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.965	-.0260						

MACH (2) = .901 BETAT (2) = -6.130

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.0780	.0460	.3670	.5780	.4890	.4970	.2620
.050			.3260	.2180	.2160	.1880	.1990
.081		.1640					
.086							
.094							
.150				.1960	.1720	.1630	.1050
.177			.2180				
.229	.1450						
.246		.2730		.0910	.1150	.1020	.0560
.290				.0590	.0200		-.0270
.362	.2780		.0990				
.400							
.402							
.497	.2200		-.1360	-.1530	-.2830		
.550							
.565							
.600							
.650	-.0860			-.4950	-.4820	-.3540	-.2920
.700							
.725							
.750			-.7230	-.6330	-.5830	-.4750	-.5110
.760			-.4150				
.775							
.808							
.834	-.4190			-.1840	-.2480	-.3940	
.850							
.857			-.1800				
.865	-.3700			-.0530			-.2330
.910	-.1830		-.0690	.0710	.0720	.0220	
.915							
.950			.0550				
.953							
.965	-.1210						

MACH (2) = .899 BETAT (3) = -4.090

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.1180	.0180	.3430	.5580	.4740	.4620	.2580
.050			.2870	.1700	.1730	.1480	.1610
.081							
.086		.1320					
.094							
.150							
.177							
.229							
.246							
.290							
.362							
.400							
.402							
.497							
.550							
.565							
.600							
.650	-.0860			-.4950	-.4820	-.3540	-.2920
.700							
.725							
.750			-.7230	-.6330	-.5830	-.4750	-.5110
.760			-.4150				
.775							
.808							
.834	-.4190			-.1840	-.2480	-.3940	
.850							
.857			-.1800				
.865	-.3700			-.0530			-.2330
.910	-.1830		-.0690	.0710	.0720	.0220	
.915							
.950			.0550				
.953							
.965	-.1210						

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 02A + S3 + T9 LOWER WING

(RBM408)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = .899 BETAT (2) = -4.090

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.150							
.177			.1770				
.229							
.246		.2390					
.250				.0530	.0820	.0780	.0320
.362	.2440			.0340	-.0570		-.0340
.400			.0040				
.402							
.497	.1720						
.590			-.1600	-.1710	-.3030		
.565							-.3140
.600						-.3720	
.680	-.1180			-.5120	-.4910		
.700						-.4880	-.5210
.750			-.7360	-.6280	-.5940		
.760			-.3430				
.775							
.808							
.834	-.2970			-.1640	-.1900	-.2420	
.890			-.1720				
.857							
.865	-.3330			-.0510			-.1210
.900	-.1620						
.905			-.0700	.0610	.0910	.0580	
.920							
.953			.0600				
.965	-.0180						
Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.100							
.150							
.181							
.186		.1020					
.194	.0600			.5320	.4590	.4610	.2510
.150				.1240	.1240	.0950	.1150
.177			.2500				
.229	.1030			.1190	.0670	.0570	.0410
.246		.2020					
.250				.1100	.1480	.1470	.1120
.362	.2070			.0460	-.1280		-.1380
.400							
.402			-.0390				
.497							
.590							
.600							
.680							
.700							
.750							
.760							
.775							
.808							
.834							
.890							
.857							
.865							
.900							
.905							
.920							
.953							
.965							

MACH (2) = .970 BETAT (4) = -2.030

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 02A + S3 + T9 LOWER WING

(RDM108)

SECTION: (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = .900 BETAT (4) = -2.030

Y/BW .299 .364 .427 .534 .673 .780 .887

X/CW

.550
.565
.600
.650
.700
.725
.750
.760
.775
.808
.834
.850
.857
.865
.900
.905
.950
.953
.965

-.1920
-.3280
-.1060
-.5260
-.5140
-.5440

-.3910
-.5140
-.5440

-.7070
-.5300
-.6120
-.2620

-.1630
-.1550
-.1850

-.1690
-.0900
-.0780
-.0680
-.0560

-.0880
-.0720

MACH (2) = .902 BETAT (5) = 2.070

Y/BW .299 .364 .427 .534 .673 .780 .887

X/CW

.000
.050
.081
.086
.094
.150
.177
.229
.246
.250
.362
.414
.412
.497
.550
.565
.610
.650
.700
.725
.750
.760
.775

-.2140
-.0620
-.1900
-.0560
-.0390
-.1420
-.0710
-.1360
-.0220
-.2290
-.4460
-.3130
-.5910

.4610
.3990
.4180
.0210
.0490
.0510
.0320
-.0370
-.0130
-.0510
-.0740
-.0380
-.0740
-.0380
-.0350
-.5210
-.5250
-.5750

.0320
-.0370
-.0130
-.0510
-.0740
-.0380
-.0740
-.0380
-.0350
-.5210
-.5250
-.5750

.0320
-.0370
-.0130
-.0510
-.0740
-.0380
-.0740
-.0380
-.0350
-.5210
-.5250
-.5750

.0320
-.0370
-.0130
-.0510
-.0740
-.0380
-.0740
-.0380
-.0350
-.5210
-.5250
-.5750

.0320
-.0370
-.0130
-.0510
-.0740
-.0380
-.0740
-.0380
-.0350
-.5210
-.5250
-.5750

.0320
-.0370
-.0130
-.0510
-.0740
-.0380
-.0740
-.0380
-.0350
-.5210
-.5250
-.5750

.0320
-.0370
-.0130
-.0510
-.0740
-.0380
-.0740
-.0380
-.0350
-.5210
-.5250
-.5750

.0320
-.0370
-.0130
-.0510
-.0740
-.0380
-.0740
-.0380
-.0350
-.5210
-.5250
-.5750

.0320
-.0370
-.0130
-.0510
-.0740
-.0380
-.0740
-.0380
-.0350
-.5210
-.5250
-.5750

.0320
-.0370
-.0130
-.0510
-.0740
-.0380
-.0740
-.0380
-.0350
-.5210
-.5250
-.5750

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

ANES 11-707 1A9 OZA + 33 + T9 LOWER WING

(RBM408)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = .902 BETAT (5) = 2.070

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.808			-.2710				
.834	-.2020			-.1930	-.1420	-.1320	
.890			-.1910				
.857							
.865	-.2410			-.0680			-.0750
.930	-.1520		-.0920				
.935				.0080	.1020	.0780	
.990			.0300				
.953							
.965	-.0410						

MACH (2) = .902 BETAT (6) = 4.120

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000							
.090							
.081		.0400	.1780				
.096							
.084	.0310			.0370	.0240	.0290	-.0220
.150							
.177			.0480				
.229	.0610						
.246		.1200					
.250				-.0560	-.0080	-.0120	-.0370
.362	.1090			-.0360	-.0720		-.1430
.400							
.402			-.0850				
.497	-.0100			-.2240	-.3500		
.550			-.2140				
.565							-.3980
.610						-.4140	
.650	-.1720			-.4370	-.5030		-.4680
.710							
.725							
.750							
.760			-.3620				
.775			-.2140	-.2640	-.3610		
.810							
.834	-.2050			-.1860	-.1640	-.1460	
.850			-.1580				
.857							
.865	-.1610			-.0580			-.0710
.900	-.1140						
.915			-.0750				
.950				.0670	.0890	.0730	
.953			.0230				

DATE 20 SEP 75

TABULATED PRESSURE DATA - 1A9A
AVES 11-707 1A9 CEA + S3 + T9 LOWER WING

(RBM4.08)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (3) = 1.069 BETAT (1) = -0.200

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.590							
.565			.1340	.1220	-.0010		-.10490
.600						-.0770	
.650	.1780			-.1670	-.1730		
.700						-.2030	-.2460
.725							
.750							
.760			-.3490	-.2900	-.2820		
.775			-.3070				
.808							
.834	-.3150			-.4320	-.3560	-.3630	
.850			-.4800				
.857							
.865	-.3030			-.4690			-.3000
.900	-.6980		-.5070	-.5610	-.4960	-.4630	
.905							
.950			-.2250				
.953							
.965	-.1690						

MACH (3) = 1.100 BETAT (2) = -6.150

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000							
.050	-.1680	-.0660	.4540	.7000	.6190	.6270	.4330
.061			.4670	.3690	.3560	.3400	.3550
.066		.1200					
.094	-.0800			.3510	.3320	.3320	.2850
.150			.3720				
.177	-.0060						
.229		.3950					
.246				.2590	.2920	.2890	.2490
.250							
.362	.3720			.2570	.2230		.1880
.414			.2180				
.402							
.497	.3750			.1030	-.0170		
.550			.1050				
.565							
.614						-.1940	-.1720
.650							
.714	.1510			-.1810	-.1870		
.725							
.750						-.2190	-.2620
.760			-.3270	-.3020	-.2770		
.775							

DATE 20 SEP 75

TABULATED PRESSURE DATA - 1A9A

(0004.00)

AVES 11-707 1A9 02A + S3 + T9 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (3) = 1.100 BETAT (2) = -0.150

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.808			-.3200				
.834	-.3270						
.850							
.857							
.865	-.5130						
.870	-.5900						
.875							
.880							
.885							
.890							
.895							
.900							
.905							
.910							
.915							
.920							
.925							
.930							
.935							
.940							
.945							
.950							
.955							
.960							
.965							
.970							
.975							
.980							
.985							
.990							
.995							

MACH (3) = 1.100 BETAT (3) = -4.000

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.808							
.834							
.850							
.857							
.865							
.870							
.875							
.880							
.885							
.890							
.895							
.900							
.905							
.910							
.915							
.920							
.925							
.930							
.935							
.940							
.945							
.950							
.955							
.960							
.965							
.970							
.975							
.980							
.985							
.990							
.995							

TABULATED PRESSURE DATA - 1ASA

DATE 20 SEP 75

AMES 11-707 1A9 OEA + S3 + T9 LOWER WING

(7254.08)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (3) = 1.100 BETAT (5) = 2.080

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.150							
.177			.1950	.1900	.1280	.1910	.1800
.229	.0790	.1950					
.246			.0370	.1900	.1700	.1440	
.250							
.362	.1710		.1230	.1040			.1090
.400							
.402			.0360				
.497	.1080						
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.780							
.775							
.808							
.834							
.890							
.857							
.865							
.900							
.905							
.950							
.953							
.965							
.299		.364	.427	.534	.673	.780	.887
.000			.2330	.4940	.4670	.4680	.3220
.050				.1240	.1270	.1310	.1790
.081			.2370				
.086							
.094							
.150							
.177			.1160	.1310	.1190	.1630	.1390
.229	.0830						
.246		.1830					
.250							
.362	.1620			.0330	.1220	.1480	.1240
.400							
.402				.0970	.0790		.1050
.497	.0270		.0250				

MACH (3) = 1.097 BETAT (6) = 4.130

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000							
.050							
.081							
.086							
.094							
.150							
.177							
.229	.0830						
.246		.1830					
.250							
.362	.1620						
.400							
.402							
.497	.0270		.0250				

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A8A

AVES 11-707 1A8 OEA + S3 + T9 LOWER WING

(RPM106)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (3) = 1.097 BETAT (6) = 4.130

Y/BW X/CW	.599	.364	.427	.534	.673	.760	.887
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							
.806							
.834							
.850							
.857							
.865							
.900							
.915							
.950							
.953							
.965							

MACH (3) = 1.100 BETAT (7) = 6.180

Y/BW X/CW	.299	.364	.427	.534	.673	.760	.887
.000							
.050							
.061							
.066							
.094							
.150							
.177							
.229							
.246							
.250							
.362							
.400							
.412							
.497							
.550							
.565							
.600							
.650							
.710							
.725							
.750							
.760							
.775							

DATE 20 SEP 75 TABULATED PRESSURE DATA - 1A9A

AVES 11-707 1A9 OEA + S3 + T9 LOWER WING

(RBMLD6)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (3) = 1.100 BETAT (7) = 0.100

Y/BW X/CW	.299	.364	.427	.534	.673	.700	.807
.808			-.3210				
.834	-.2280			-.4940	-.4450	-.4510	
.850			-.3350				
.877							
.885	-.2400			-.3690			-.4070
.900	-.2090		-.3180	-.1240	-.1560	-.4730	
.905							
.930			-.1240				
.953							
.965	-.1670						

MACH (3) = 1.101 BETAT (8) = 0.200

Y/BW X/CW	.299	.364	.427	.534	.673	.700	.807
.000							
.080	-.0230	-.1400	.1140	.4090	.3400	.3670	.2450
.081				.1740	.1280	.1280	.1050
.086		.0690	.2760				
.094	-.3820			.1360	.1080	.1600	.1250
.150			.1740				
.177		.0470					
.229		.1800		.0360	.1180	.1330	.1080
.246				.0710	.0690		.0820
.250		.1440					
.362			-.0290				
.400				-.0680	-.1330		
.402		.1020					
.497			-.0820				-.1910
.550							
.565							
.620							
.650							
.714	-.1750			-.2890		-.2000	
.725							
.750				-.2990		-.3070	-.3610
.760			-.3280				
.775				-.3530	-.3680		
.818			-.2570				
.834	-.2050			-.4020	-.4510	-.4510	
.850			-.2680				
.857							
.865	-.2040			-.3660			-.4160
.940	-.1920						
.905			-.2570	-.3660			
.950			-.2770	-.3120	-.3410		
.953			-.1860				

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A

25 11-707 1A9 02A + S3 + T9 LOWER MING

(RBM408)

DEPENDENT VARIABLE CP

SECTION (1) LOWER MING

MACH (3) = 1.101 BETAT (0) = 0.250

Y/BW	X/CW	.299	.364	.427	.534	.673	.780	.887
.000	.000	-.0380	.0010	.5250	.8130	.7320	.7390	.6070
.050	.050			.5100	.4240	.4040	.3630	.4090
.081	.081		.0320					
.086	.086							
.094	.094				.4290	.3980	.3430	.3380
.150	.150			.4460				
.177	.177							
.229	.229	.0340						
.246	.246		.4340		.3280	.3210	.3690	.3390
.250	.250				.3350	.3100		.2910
.362	.362	.2460		.2750				
.400	.400				.2310	.0880		.0540
.412	.412	.4760		.2360				
.497	.497							
.550	.550							
.565	.565							
.600	.600							
.650	.650							
.700	.700	.2680			-.0190	-.0420		
.725	.725							
.750	.750							
.760	.760							
.775	.775							
.818	.818							
.834	.834							
.851	.851							
.857	.857							
.865	.865							
.941	.941							
.945	.945							
.951	.951							
.953	.953							
.965	.965							

MACH (4) = 1.246 BETAT (1) = -0.160

Y/BW	X/CW	.299	.364	.427	.534	.673	.780	.887
.000	.000	-.0380	.0010	.5250	.8130	.7320	.7390	.6070
.050	.050			.5100	.4240	.4040	.3630	.4090
.081	.081		.0320					
.086	.086							
.094	.094				.4290	.3980	.3430	.3380
.150	.150			.4460				
.177	.177							
.229	.229	.0340						
.246	.246		.4340		.3280	.3210	.3690	.3390
.250	.250				.3350	.3100		.2910
.362	.362	.2460		.2750				
.400	.400				.2310	.0880		.0540
.412	.412	.4760		.2360				
.497	.497							
.550	.550							
.565	.565							
.600	.600							
.650	.650							
.700	.700	.2680			-.0190	-.0420		
.725	.725							
.750	.750							
.760	.760							
.775	.775							
.818	.818							
.834	.834							
.851	.851							
.857	.857							
.865	.865							
.941	.941							
.945	.945							
.951	.951							
.953	.953							
.965	.965							

MACH (4) = 1.250 BETAT (2) = -0.110

Y/BW	X/CW	.299	.364	.427	.534	.673	.780	.887
.000	.000	-.0380	.0010	.4300	.7850	.7110	.7150	.5730
.051	.051			.4710	.3770	.3640	.3240	.3820
.081	.081							
.086	.086							
.094	.094							
.150	.150							
.177	.177							
.229	.229							
.246	.246							
.250	.250							
.362	.362							
.400	.400							
.412	.412							
.497	.497							
.550	.550							
.565	.565							
.600	.600							
.650	.650							
.700	.700							
.725	.725							
.750	.750							
.760	.760							
.775	.775							
.818	.818							
.834	.834							
.851	.851							
.857	.857							
.865	.865							
.941	.941							
.945	.945							
.951	.951							
.953	.953							
.965	.965							

TABLED PRESSURE DATA - 1A9A

AMES 11-707 1A9 02A + S3 + T9 LOWER WING

SECTION (1) LOWER VINING

WACH (4) = 1.249 BETAT (3) = -4.070

DEPENDENT VARIABLE CP

(RPM 03)

$$\text{BETAT} (4) = 1.248 \quad \text{BETAT} (4) = -2.030$$
[illegible]

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TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 02A + S3 + T9 LOWER WING

(REMARKS)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (4) = 1.246 BETAT (4) = -2.030

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.808							
.834							
.850							
.857							
.865							
.900							
.905							
.950							
.953							
.965							

MACH (4) = 1.246 BETAT (5) = 2.060

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000							
.050							
.081							
.086							
.094							
.150							
.177							
.229							
.246							
.250							
.362							
.400							
.402							
.497							
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							
.818							
.834							
.850							
.857							
.865							
.910							
.915							
.950							
.953							

AMES 11-TU7 1A9 OCA + S3 + T9 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (4) = 1.246 BETAT (5) = 2.060

Y/BA X/CA	.299	.364	.427	.534	.673	.780	.887
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MACH (4) = 1.246 BETAT (6) = 4.110

Y/BA X/CA	.299	.364	.427	.534	.673	.780	.887
--------------	------	------	------	------	------	------	------

.000	-.1170	-.2320	.2440	.5560	.4710	.4350	.4160
.050			.2750	.1450	.1290	.0990	.2170
.081		-.1150					
.086							
.094	-.1470			.1070	.1350	.1160	.2110
.150			.1430				
.177	-.1340						
.229		.2020					
.246				.0280	.0480	.2200	.1690
.250							
.362	.1710			.0430	.1650		.2020
.400			.0260				
.412							
.497	.0360			.0260	-.0200		
.550			-.1080				
.565							-.0420
.600							
.600	-.0610			-.1000	-.1400	-.1610	
.725							
.750			-.2170				
.760				-.2060	-.1880		
.775							
.808		-.2920					
.834	-.2640			-.3260	-.2750	-.2900	
.850			-.3810				
.857							
.865	-.2990			-.3910			-.2710
.900	-.1920		-.4870				
.905				-.4570	-.3950	-.3730	
.900							
.953			-.3020				
.965	-.2350						

MACH (4) = 1.247 BETAT (7) = 6.150

Y/BA X/CA	.299	.364	.427	.534	.673	.780	.887
.000	-.4320	-.2060	.1520	.5530	.4660	.4800	.3400
.050			.2720	.1710	.1140	.1370	.1610
.100							
.106							
.194	-.1850						

AEC3 11-707 1A9 O2A + S3 + T9 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACN (4) = 1.247 BETAT (7) = 0.150

V/BW X/CM	.299	.364	.427	.534	.673	.780	.887
.190			.1700	.1130	.2070	.0920	.1420
.177	-.1600						
.229		.1660		.1650	.0390	.1270	.1460
.246							
.250				.0460	.0920		.1710
.362	.1430						
.400			.0140				
.402				.0440	-.0400		
.497	.0260						
.550							
.563			.0130				
.600							
.650							
.700	-.0140						
.725				-.1610	-.1450		
.730							
.760							
.775							
.800							
.804	-.2280						
.850							
.857							
.865	-.2460						
.900	-.2100						
.903							
.950							
.953							
.965	-.2050						
V/BW X/CM	.299	.364	.427	.534	.673	.780	.887
.040	-.4500	-.2110	.1230	.4860	.4070	.4100	.2920
.050				.1960	.1440	.0790	.1340
.081			.2670				
.086		.0560					
.094	-.2150						
.150				.1520	.1120	.0510	.1360
.177			.2000				
.229	-.1020						
.246		.1450					
.250				.0310	.0340	.1370	.1330
.362	.1270						
.400				.0420	.0910		.1470
.402							
.497	.1410						

MACN (4) = 1.245 BETAT (6) = 0.200

TABULATED PRESSURE DATA - 1A9A

(RDB-00)

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AMES 11-707 1A9 02A + S3 + T9 LOWER WING

SECTION: (LOWER WING

DEPENDENT VARIABLE CP

MACH (4) = 1.245 BETAT (0) = 0.200

Y/04	299	364	427	494	671	760	887
.550							
.565			- .0660				
.600				- .0250	- .0670		
.650						- .1250	- .1010
.700	- .1180						
.725				- .2170	- .1980		
.750						- .2130	- .2700
.763		- .3120					
.775			- .2730	- .2760	- .2640		
.808							
.834	- .1990						
.850			- .2610	- .3620	- .3270	- .3390	
.857							
.865	- .2010						
.900	- .1840			- .3690			- .3130
.905		- .2740					
.950			- .2200	- .3950	- .4280	- .4180	
.953							
.965	- .1560						

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TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 OCA + S3 + T9 LOWER WING

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ORIGINATOR (27 APR 73)

PARAMETRIC DATA

REFERENCE DATA

REF = 2.4210 30.FT. WREF = 20.5300 INCHES
 LREF = 39.0490 INCHES WREF = .0000 INCHES
 BREF = 39.0490 INCHES ZREF = .0000 INCHES
 SCALE = .0370 SCALE

ALPHAT = 4.000 OROINC = .900
 RUDDER = .000 ELEVON = .000
 RUDDLR = .000

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = .598 BETAT (1) = -0.090

V/BM	.299	.364	.427	.534	.673	.780	.887
X/CM	.000	-.1120	-.0800	.1380	.3070	.1780	.1250
	.080			.2820	.2830	.2640	.3380
	.081						
	.086	.0880	.1480	.3090			
	.094				.1770	.1940	.1980
	.130						
	.177	.1420		.1780			
	.229						
	.246	.2360		.0880	.1080	.1150	.1180
	.250						
	.362	.2220		-.0130	.0080		.0100
	.400						
	.402			-.0460			
	.497	.1410					
	.550			-.2440	-.2020	-.1800	
	.565						
	.600						
	.690	-.2540			-.2360	-.1690	-.1320
	.700						
	.723			-.2040		-.1900	-.2030
	.750						
	.780			-.3600			
	.775			-.2490	-.2230		
	.818			-.2500			
	.834	-.3130					
	.850			-.2040	-.1690	-.1690	
	.857			-.2130			
	.865	-.2460					
	.940	-.1710		-.1210			-.1300
	.945			-.1290			
	.950			.0100	.0080	-.0060	
	.953			-.0090			
	.965	-.0380					
V/BM	.299	.364	.427	.534	.673	.780	.887
X/CM	.000	-.1510	-.1120	.1360	.3070	.1630	.1090
	.050			.2310	.2600	.2640	.3210
	.081						
	.086			.1190			
	.094	.0800					

MACH (2) = .597 BETAT (2) = -0.080

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A8A

(R084.09)

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ME3 11-707 1A8 O2A + S3 + T9 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = .597 BETAT (2) = -6.060

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.150			.1540				
.177				.1590	.1710	.1740	.1630
.229	.1140	.2060		.0430	.0940	.1070	.0990
.246							.0040
.290				-.0210	.0090		
.362	.1930						
.400			-.0990				
.402				-.1900	-.1810		
.497	.1090						
.550			-.2960				-.1400
.565							
.600					-.1680		
.690	-.2470			-.2710	-.2960		
.700						-.1920	-.2110
.725							
.730							
.760			-.3460		-.2420	-.2300	
.775				-.2320			
.808					-.2030	-.1730	-.1700
.834	-.2990						
.890			-.2100				
.897				-.1220			-.1330
.865	-.2240						
.900	-.1480		-.1260		.0120	.0070	-.0050
.905							
.940			-.0090				
.953							
.965	-.0360						
Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.1680	-.1360	.1140	.2920	.1620	.1030	-.3680
.050			.2900	.1980	.2330	.2440	.2970
.081		.0970					
.086	.0630			.1410	.1570	.1670	.1430
.130			.1290				
.177	.0970						
.229		.1600		.0330	.0800	.0930	.0760
.246							
.250				-.0210	.0000		-.0130
.362	.1720						
.400			-.0680				
.402							
.497	.0810						

MACH (1) = .598 BETAT (3) = -4.030

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TRANSLATED PRESSURE DATA - 1A04

(0204.09)

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AMES 11-707 1A0 OCA + S3 + T9 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

WACH (1) = .596 BETAT (4) = -2.010

Y/BA X/CA	.299	.364	.427	.534	.673	.760	.867
.808			-1.1960				
.834	-.2330			-1.1910	-1.1660	-1.1690	
.850			-1.1770				-1.1220
.857				-1.1140			
.865	-.1090						
.900	-.1300		-1.1150	.0110	.0050	-.0030	
.905							
.950			-1.0060				
.953							
.965	-.0300						
.966		.364	.427	.534	.673	.760	.867
.000	-.299	-.364	-.427	-.534	-.673	-.760	-.867
.050	-.2690	-.1990	.0900	.2730	.1480	.0690	-.3710
.061			.1990	.1390	.1040	.1020	.2540
.066		.0440					
.094	.0310			.0860	.1090	.1260	.1110
.151			.0670				
.177		.0610					
.229		.1390		-.0040	.0560	.0720	.0530
.246							
.250				-.0290	-.0140		-.0300
.362	.1290						
.400			-.0730				
.402							
.497	.0210			-.1790	-.1710		
.550							
.565			-.2060				-.1570
.600							
.650							
.700	-.2110			-.2400	-.2390		-.1730
.725							
.750			-.2840				
.760				-.2120	-.2100		
.775							
.806			-.1890				
.834	-.2060			-.1620	-.1670	-.1620	
.850							
.857			-.1730				
.865	-.1710			-.1070			-.1130
.900	-.1200			-.1060			
.905				.0170	.0060	.0050	
.950							
.953			-.1060				

AMES 11-707 1A9 ODA + S3 + T9 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = .506 BETAT (5) = .020

V/B4 W/C4	.299	.364	.427	.534	.673	.760	.867
.965	-.0390						

MACH (1) = .506 BETAT (6) = 2.050

V/B4 W/C4	.299	.364	.427	.534	.673	.760	.867
.000	-.3290	-.2230	.0560	.2660	.1550	.0910	-.4010
.050			.1790	.1170	.1350	.1660	.2330
.081		.0160					
.096							
.094	.0170			.0060	.0800	.1020	.0960
.130			.0590				
.177		.0360					
.229		.1020					
.246				-.0140	.0330	.0490	.0450
.250							
.362	.0930			-.0560	-.0210		-.0470
.400			-.0690				
.402							
.497	-.0190			-.1600	-.1650		
.550			-.1970				-.1720
.565							
.600							
.650							
.700	-.2100			-.2560	-.2500	-.1600	
.725							
.750			-.2790				
.760				-.2140	-.2200		
.775				-.1770			
.808							
.834	-.2000			-.1930	-.1630	-.1710	
.850							
.857							
.865	-.1720						
.910	-.1210			-.1160			-.1250
.915							
.920							
.930							
.953							
.965	-.0590						

MACH (1) = .597 BETAT (7) = 4.050

V/B4 W/C4	.299	.364	.427	.534	.673	.760	.867
.000	-.3370	-.2330	.0370	.2360	.1090	.0360	-.4470
.050			.1560	.0940	.1370	.1570	.2270
.061							
.066							
.094	-.0060						

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TABULATED PRESSURE DATA - 1A8A

AMES 11-707 1A9 OEA + S3 + T9 LOWER WING

(RBM4D9)

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SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = .397 BETAT (7) = 4.080

V/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.190			.0460	.0610	.0750	.1020	.0600
.177	.0160						
.229		.0090					
.246				-.0170	.0360	.0500	.0230
.290							
.362	.0640			-.0340	-.0270		-.0500
.400			-.0620				
.402							
.497	-.0300			-.1620	-.1730		
.590			-.1730				-.1720
.565							
.600						-.1770	
.690				-.2260	-.2390		
.700	-.1700						
.725						-.1910	-.2170
.730			-.2460				
.780				-.2020	-.2170		
.775			-.1600				
.806							
.834	-.1480			-.1780	-.1630	-.1690	
.890			-.1420				
.897							
.865	-.1260			-.0860			-.1170
.970	-.0930						
.905			-.0930	.0060	.0060	-.0020	
.930			-.0100				
.953							
.965	-.0930						
V/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.3210	-.2140	-.0230	.1800	.0800	.0090	-.4640
.090				.1060	.1370	.1440	.2010
.081			.1660				
.066		-.0200					
.094	-.0130			.0630	.0780	.0910	.0730
.150			.0680				
.177							
.229	.0090						
.246		.0620		-.0190	.0420	.0440	.0220
.250							
.362	.0490			-.0230	-.0260		-.0490
.400							
.402			-.0640				
.497	-.0260						

MACH (1) = .397 BETAT (9) = 6.120

AMES 11-707 1A9 O2A + S3 + T9 LOWER WING

(REFL.009)

SECTION 1 (1) LOWER WING

MACM (1) = .597 BETAT (8) = 6.120

DEPENDENT VARIABLE CP

V/W4 X/C4	.299	.364	.427	.534	.673	.760	.887
.590							
.565							
.600							
.690							
.700							
.725							
.730							
.760							
.775							
.808							
.834							
.850							
.867							
.885							
.900							
.905							
.930							
.953							
.965							
V/W4 X/C4	.299	.364	.427	.534	.673	.760	.887
.030							
.030							
.081							
.086							
.094							
.130							
.177							
.229							
.246							
.250							
.362							
.400							
.412							
.497							
.530							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							

MACM (1) = .598 BETAT (9) = 6.130

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TABULATED PRESSURE DATA - 1A8A

AMES 11-707 1A9 OEA + S3 + T9 LOWER WING

(0804.09)

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SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = .398 BETAT (9) = 0.150

Y/BW Y/CW	.299	.364	.427	.534	.673	.780	.887
.808			-.1340				
.834	-.1610						
.830				-.1680	-.1730	-.1790	
.837			-.1290				
.865	-.1420						-.1220
.900	-.1320			-.1130			
.905			-.1140				
.950				-.0260	-.0210	-.0140	
.953			-.0960				
.965	-.1420						

MACH (2) = .699 BETAT (1) = -0.170

Y/BW Y/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.1180	.0020	.3370	.3600	.4580	.4400	.1580
.050			.3970	.3240	.3210	.3130	.3290
.081		.2080					
.086							
.094	.1240			.2720	.2550	.2530	.1940
.150			.2790				
.177							
.229	.1690	.3230					
.246				.1990	.1810	.1790	.1300
.290							
.362	.3800			.1070	.0740		.0410
.400			.0870				
.402							
.497	.2690						
.550				-.1200	-.2300		
.565			-.1080				-.2310
.670						-.1010	
.630							
.710	-.0540						
.725				-.4590			
.760						-.4150	-.4190
.775							
.816							
.834	-.6050						
.850							
.857			-.2140				
.865	-.3790						
.910	-.2010			-.1010			-.4690
.915			-.0620				
.950				.0280	-.0120	-.1430	
.953			.0390				

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = .699 BETAT (1) = -0.170

V/BW X/CM	.299	.364	.427	.534	.673	.760	.867
.965	-.0300						

MACH (2) = .807 BETAT (2) = -0.180

V/BW X/CM	.299	.364	.427	.534	.673	.760	.867
.000	-.1790	-.0500	.3060	.3340	.4310	.4100	.1240
.030				.2760	.2910	.2760	.3070
.061		.1770	.3630				
.096				.2310	.2290	.2240	.1760
.130			.2470				
.177							
.229		.1960					
.246			.2360				
.290				.1250	.1560	.1460	.1070
.362		.2810		.0800	.0570		.0190
.400			.0610				
.402							
.497		.2220					
.530				-.1290	-.1370	-.2810	
.565							-.2360
.600							
.630							
.700		-.0690					
.725				-.4690			
.730							
.760							
.775				-.6990			
.808							
.834				-.3510			
.850							
.857							
.865							
.870							
.905							
.930							
.953							
.965							

MACH (2) = .901 BETAT (3) = -0.180

V/BW X/CM	.299	.364	.427	.534	.673	.760	.867
.000	-.2130	-.0740	.2870	.5070	.4040	.3910	.0960
.030				.2400	.2530	.2510	.2730
.061			.3390				
.096							
.130							
.177							
.229							
.246							
.290							
.362							
.400							
.402							
.497							
.530							
.565							
.600							
.630							
.700							
.725							
.730							
.760							
.775							
.808							
.834							
.850							
.857							
.865							
.870							
.905							
.930							
.953							
.965							

AUCS 11-707 1A9 O2A + S3 + T9 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = .901 BETAT (3) = -4.060

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.150			.2150	.2070	.1990	.2020	.1430
.177	.1430						
.229		.2630		.0930	.1270	.1260	.0610
.246							
.250							
.362	.2560			.0610	.0290		-.0210
.400			.0260				
.402							
.497	.1870			-.1550	-.2710		
.550			-.1470				
.565						-.3270	-.2520
.600							
.650	-.1090			-.4790	-.4570		
.700						-.4280	-.4470
.725							
.750							
.760			-.6830		-.5170	-.5430	
.775							
.808			-.2930				
.834	-.2840			-.2130	-.3210	-.2280	
.850			-.2000				
.857							
.865	-.2640			-.0870			-.3990
.900	-.1990						
.905			-.0870				
.950			.0460	.0620	.0360	-.0590	
.953							
.965	-.0110						
Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.2690	-.1110	.2530	.4790	.3710	.3610	.0760
.050				.2060	.2220	.2140	.2420
.061			.3030				
.066		.1160					
.094	.0630			.1750	.1690	.1700	.1130
.150			.1790				
.177							
.229	.1280						
.246		.2340					
.250				.0610	.1020	.1040	.0910
.362	.2280						
.400				.0390	.0100		-.0510
.402			-.0010				
.497							
.550	.1490						

MACH (2) = .699 BETAT (4) = -2.030

DEPENDENT VARIABLE: CP

Y/OM	.299	.364	.427	.534	.673	.760	.867
X/OM							

-.1697
-.2750

-4820

- .4480 - .4490

-.4470 -.4910

..2200 - 2310 - 2400

20

-.0620 -.0620
-.0590 -.0270 -.0760

0470

.427 .534 .673 .760 .867

.1700	.4040	.3090	.0230
.1370	.1970	.1470	.1620

.2440

.1060	.1040	.1150	.064
-------	-------	-------	------

1960 1960 0500

-0467

-1960 -3210

23° - 069° -

05050
-0.4770

-.4050

100

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

(RBNAL09)

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APCS 11-707 1A9 OCA + S3 + T9 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = .903 BETAT (5) = 2.073

V/B4 X/C4	.299	.364	.427	.534	.673	.760	.887
.808	-.2540		-.2630				
.834				-.2480	-.2570	-.2720	
.850			-.2120				
.857							-.2030
.865	-.2350			-.1040			
.870	-.1490						
.905			-.1100				
.950				.0450	.0150	-.0670	
.953			.0230				
.965	-.0440						
V/B4 X/C4	.299	.364	.427	.534	.673	.760	.887
.000	-.2580	-.1420	.1360	.3610	.2800	.2720	-.0390
.050			.2240	.1270	.1390	.1480	.1750
.081		.0460					
.086							
.094	.0410			.0960	.0890	.1140	.0480
.130			.0990				
.177	.0740						
.229		.1440		.0040	.0540	.0510	-.0040
.246							
.250		.1260		.0010	-.0320		-.1000
.362							
.400			-.0480				
.402							
.497	.0260			-.1900	-.3100		
.550							
.565			-.1880				
.670							-.3310
.650						-.3600	
.700	-.1460			-.4240			
.720				-.3620			
.725						-.3620	-.3310
.750							
.760							
.775							
.808			-.2160				
.834	-.1910						
.850				-.2390	-.2620	-.3070	
.857			-.1740				
.865							
.865	-.1490			-.0970			-.2170
.941	-.1020						
.945			-.0920				
.950				.0430	.0240	-.0560	
.953			.0180				

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

(REF. 109)

AMES 11-T07 1A9 O2A + S3 + T9 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = .903 BETAT (6) = 4.130

V/B ₁ X/C ₁	.299	.364	.427	.534	.673	.760	.887
.963	-.0680						

MACH (2) = .900 BETAT (7) = 6.180

V/B ₁ X/C ₁	.299	.364	.427	.534	.673	.760	.887
.000	-.2520	-.1230	.0680	.2940	.2270	.2180	-.0900
.030				.1330	.1340	.1360	.1530
.061			.0800				
.094	.0230						
.130			.1000	.0880	.0820	.0870	.0370
.177	.0580						
.229		.1880		-.0080	.0480	.0480	-.0140
.246							
.250							
.362	.1040			.0010	-.0530		-.1080
.400							
.402			-.0480				
.487	.0180			-.1770	-.2910		
.530			-.1680				-.3130
.563						-.3380	
.600							
.630							
.700	-.1400			-.3700	-.3870	-.4130	-.3980
.723							
.750			-.3380		-.3090	-.4110	
.775							
.806			-.2300				
.834	-.2130			-.2880	-.2870	-.3180	
.850							
.857			-.2040				
.865	-.1840						
.900	-.1430			-.1360			-.2290
.906			-.1280				
.906				.0090	.0000	-.0710	
.953			-.0360				
.963	-.1230						

MACH (2) = .900 BETAT (8) = 8.240

V/B ₁ X/C ₁	.299	.364	.427	.534	.673	.760	.887
.000	-.2560	-.1020	-.0180	.2370	.1940	.1480	-.1720
.030				.1410	.1430	.1230	.1340
.061			.0100				
.086							
.094							

DATE 20 SEP 73

TABLED PRESSURE DATA - 1A9A

(b)(7)(C)

PAGE 1511

AMES 11-707 IAG OEA + S3 + T9 LOWER WING

SECTION (1) LOADER WING

DEPENDENT VARIABLE CP

WACH (2) = .900 BETAT (8) = 0.240

[illegible]

AWCS 11-707 1A9 OCA + S3 + T9 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACN (3) = 1.103 BETAT (1) = -0.180

V/M	X/M	CP
.590	.299	.364
.585	.427	.534
.600	.673	.760
.630	.867	.867
.700	.1360	.0270
.725	.1490	.0040
.750	.1590	.0440
.760	.1810	.1700
.775	.2100	.2100
.808	.2350	.2350
.834	.2580	.2580
.857	.2790	.2790
.885	.2980	.2980
.905	.3150	.3150
.923	.3300	.3300
.965	.3410	.3410

MACN (3) = 1.100 BETAT (2) = -0.140

V/M	X/M	CP
.000	.299	.364
.050	.427	.534
.061	.673	.760
.066	.867	.867
.094	.1360	.0270
.150	.1490	.0040
.177	.1590	.0440
.229	.1810	.1700
.246	.2100	.2100
.254	.2350	.2350
.362	.2580	.2580
.410	.2790	.2790
.412	.2980	.2980
.497	.3150	.3150
.550	.3300	.3300
.565	.3410	.3410
.640	.3410	.3410
.690	.3410	.3410
.710	.3410	.3410
.725	.3410	.3410
.730	.3410	.3410
.760	.3410	.3410
.775	.3410	.3410

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

(R894L09)

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AMES 11-707 1A9 OEA + S3 + 19 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (3) = 1.100 BETAT (2) = -6.140

	V/OM X/OM	.299	.364	.427	.534	.673	.760	.867
.608				-.3080				
.834		-.3240			-.4230	-.3460	-.3520	
.630				-.4680				
.657								
.665		-.5060			-.4630			-.2770
.900		-.6030			-.3240			
.905					-.4460	-.4630	-.4480	
.930								
.933				-.1870				
.965		-.1630						
V/OM	.299	.364	.427	.534	.673	.760	.867	
X/OM								
.000	-.2680	-.1720	.3360	.6300	.5360	.5320	.3070	.3070
.080				.3630	.3630	.3760	.4070	
.081		.1070	.4620					
.086								
.094	-.0680			.3430	.3360	.3530	.3060	
.190			.3480					
.177		.0630						
.229			.3660					
.246				.2370	.2940	.3010	.2620	
.250								
.362	.3230			.2480	.2260		.1670	
.400			.1300					
.402								
.497	.3280			.1620	-.0160			
.530								
.565			.0640					-.0700
.600								
.650		.1190						
.710				-.1670	-.1630			
.725							-.2100	-.2320
.750								
.760				-.3360				
.775					-.3030	-.2750		
.806				-.3290				
.834	-.3440			-.4360	-.3610	-.3700		
.850								
.857				-.5030				
.865	-.3610							
.865				-.4970				-.2930
.910	-.4530							
.915				-.2090				
.950				-.2300	-.4980	-.4640		
.953				-.1660				

MACH (3) = 1.100 BETAT (2) = -6.140

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

(RPM/L9)

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AMES 11-707 1A9 O2A + S3 + T9 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

WACH (3) = 1.101 BETAT (7) = 6.210

V/BM X/CM	.299	.364	.427	.534	.673	.780	.887
.808	-.2263		-.3110				
.834				-.4680	-.4230	-.4280	
.850			-.3280				
.857				-.3630			-.3660
.863	-.2370						
.900	-.2060						
.905			-.3330				
.930				-.1230	-.1530	-.4980	
.953			-.1400				
.965	-.1680						
V/BM X/CM	.299	.364	.427	.534	.673	.780	.887
.000	-.0270	-.0000	.0310	.3400	.2400	.2730	.0390
.050				.2030	.2170	.2140	.2880
.081			.3000				
.086		.0900					
.094	-.3130			.1640	.1800	.2060	.1860
.150			.1820				
.177		.0360					
.229				.0680	.1560	.1700	.1470
.246		.1690					
.250				.1030	.0960		.1130
.362	.1410						
.400			.0070				
.412							
.497	.1020			-.0900	-.1040		
.550			-.0770				
.565							-.1510
.600							
.630							
.650	-.1530						
.700				-.2800			
.725							
.750							
.760							
.775			-.3190				
.808				-.3330	-.3330		
.834	-.1960						
.850				-.3630	-.4160	-.4260	
.857			-.2730				
.863							
.900	-.2030			-.3610			-.3760
.905	-.1940						
.930			-.2510				
.950				-.2810	-.2360	-.4060	
.953			-.1770				

AMES 11-707 1A9 OEA + S3 + T9 LOWER WING

(RECALC)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (3) = 1.104 BETAT (0) = 0.200

Y/BA X/CA	.299	.364	.427	.534	.673	.760	.887
.965	-.1080						

MACH (4) = 1.248 BETAT (1) = -0.150

Y/BA X/CA	.299	.364	.427	.534	.673	.760	.887
.000	-.0700	-.0283	.5010	.7630	.7080	.7030	.5380
.030			.5610	.4820	.4830	.4670	.5170
.061		.0090					
.094		.0630		.4610	.4600	.4180	.4280
.130			.4630				
.177	.0020						
.229		.4480		.3630	.3370	-.2350	.3980
.286							
.350				.3630	.3540		.3840
.420	.4100		.3190				
.492							
.567	.4910			.2430	.0970		
.650			.2360				.0840
.730	.2760			-.0030	-.0290		.0820
.825						-.0500	-.0980
.920							
.020							
.060							
.100							
.140							
.180							
.220							
.260							
.300							
.340							
.380							
.420							
.460							
.500							
.540							
.580							
.620							
.660							
.700							
.740							
.780							
.820							
.860							
.900							
.940							
.980							

MACH (4) = 1.248 BETAT (2) = -0.110

Y/BA X/CA	.299	.364	.427	.534	.673	.760	.887
.140	-.1310	-.1070	.4490	.7320	.6730	.6680	.5010
.180			.5230	.4470	.4470	.4230	.4940
.220							
.260							
.300							
.340							
.380							
.420							
.460							
.500							
.540							
.580							
.620							
.660							
.700							
.740							
.780							
.820							
.860							
.900							
.940							
.980							

AMES 11-707 IAS OEA + 33 + 79 LOWER WING

SECTION (LOWER WING

DEPENDENT VARIABLE CP

WACH (4) = 1.248 BETAT (2) = -6.110

Y/84	.299	.364	.427	.534	.673	.780	.887
X/04							
.190			.4230	.4230	.4060	.3370	.4030
.177	.0280						
.229		.4260					
.246				.3190	.2920	.4000	.3710
.240							
.362	.2610			.3400	.3340		.3030
.403			.2290				
.402							
.497	.4210			.2240	.0640		
.550							
.565			.2220				.0610
.600						.0440	
.630							
.700	.2700			-.0220	-.0400		
.725						-.0660	-.1120
.730			-.1360				
.760			-.1240	-.1160			
.775							
.806			-.1670				
.834	-.1540						
.850				-.2330	-.2700	-.2080	
.857			-.2910				
.865	-.3240			-.3230			-.1530
.900	-.4320			-.4260			
.905					-.3920	-.2910	
.950							
.953			-.4440				
.965	-.3030						
Y/84	.299	.364	.427	.534	.673	.780	.887
X/04							
.000	-.2060	-.1700	.3600	.7120	.6340	.6330	.4730
.030			.4870	.4110	.4030	.3660	.4520
.061		.0170					
.066							
.094	.0130				.3620	.3340	.3640
.130			.3660				
.177	-.0100						
.229		.3760		.2710	.2120	.3630	.3410
.246							
.250	.1340			.2740	.2690		.2600
.362							
.410			.2070				
.412							
.497	.3760						

AEC3 11-707 1A9 OCA + S3 + T9 LOWER WING

SECTION (1) LOWER WING

MACN (4) = 1.249 BETAT (3) = -4.060

DEPENDENT VARIABLE CP

V/CM	.299	.364	.427	.534	.673	.760	.607
.550			.1310	.1560	.0450	.0160	.0370
.565							
.600							
.630							
.700	.0770			-.0220	-.0710	-.0660	-.1360
.725							
.750				-.1410	-.1310	-.1390	
.760				-.1790			
.775							
.804	-.1600			-.1640	-.2710	-.2330	
.830				-.3110			
.857	-.3040			-.3330			-.1780
.865							
.900	-.4380			-.4330	-.3990	-.3360	-.3030
.905							
.950				-.4510			
.953							
.965	-.2940						
V/CM	.299	.364	.427	.534	.673	.760	.607
W/CM	-.2840	-.2510	.3300	.6630	.5990	.5690	.4280
.000				.3660	.3690	.3210	.4040
.050				.4530			
.061							
.066							
.094	-.0380			.3490	.3190	.2730	.3220
.150							
.177				.3470			
.229	-.0410						
.246		.3310		.2300	.1670	.3160	.3700
.250							
.362	.2160			.1650	.2570		.2540
.400				.1310			
.402							
.497	.3120			.1260	.0390		.0220
.550				.0680			
.565							
.600							
.670							
.650							
.700	.0190			-.0360			
.725							
.750							
.760				-.1420	-.1360	-.1650	
.775							

MACO (4) = 1.246 BETAT (4) = -2.080

AKES 11-707 1A9 QEA + S3 + T9 LOWER WING

SECTION (LOWER WING

DEPENDENT VARIABLE CP

MACR (4) = 1.248 BETAT (4) = -2.020

	Y/BM	X/CN
- .097	.687	.760
.007	.673	.534
.427	.364	.239
- .193		

1935-
1936
1937

.034	-.1790		
		-.2700	-.2240
			-.2520

-.3210

0213'- - 599' - 065' - 349'

	- .4567	
.910		
.815		
	- .4470	

.500	-.340	-.3350
.950	-.4090	

.953	-.477
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965
-2840

Y/B4	.299	.364	.427	.534	.673	.760	.88
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WACH (4) = 1.269 SETAT (5) = 2.070

Y/B4	.259	.304	.311	.351
X/C4	.427	.440	.480	.564
			.4970	.5100
				.3510

1750	2640	2760	2350	3270
1800				
1850				
1900				
1950				
2000				
2050				
2100				
2150				
2200				
2250				
2300				
2350				
2400				
2450				
2500				
2550				
2600				
2650				
2700				
2750				
2800				
2850				
2900				
2950				
3000				
3050				
3100				
3150				
3200				
3250				
3300				
3350				
3400				
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3500				
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3650				
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3900				
3950				
4000				
4050				
4100				
4150				
4200				
4250				
4300				
4350				
4400				
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5000				
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6800				
6850				
6900				
6950				
7000				
7050				
7100				
7150				
7200				

1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405
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0.065

.194	.2390	.1910	.2510
.190	.2290		

.230
.177

223 -1010 2160

0.230	0.1346	0.2290	0.2356
0.246			
0.250			

1.1	.362	.1710	.1650	.2025
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1229

.497	.1710	
.402		

Year	1960	1961
.553		
.551		

[illegible]

Year	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100																																										
Population	1,000,000	1,050,000	1,100,000	1,150,000	1,200,000	1,250,000	1,300,000	1,350,000	1,400,000	1,450,000	1,500,000	1,550,000	1,600,000	1,650,000	1,700,000	1,750,000	1,800,000	1,850,000	1,900,000	1,950,000	2,000,000	2,050,000	2,100,000	2,150,000	2,200,000	2,250,000	2,300,000	2,350,000	2,400,000	2,450,000	2,500,000	2,550,000	2,600,000	2,650,000	2,700,000	2,750,000	2,800,000	2,850,000	2,900,000	2,950,000	3,000,000	3,050,000	3,100,000	3,150,000	3,200,000	3,250,000	3,300,000	3,350,000	3,400,000	3,450,000	3,500,000	3,550,000	3,600,000	3,650,000	3,700,000	3,750,000	3,800,000	3,850,000	3,900,000	3,950,000	4,000,000	4,050,000	4,100,000	4,150,000	4,200,000	4,250,000	4,300,000	4,350,000	4,400,000	4,450,000	4,500,000	4,550,000	4,600,000	4,650,000	4,700,000	4,750,000	4,800,000	4,850,000	4,900,000	4,950,000	5,000,000	5,050,000	5,100,000	5,150,000	5,200,000	5,250,000	5,300,000	5,350,000	5,400,000	5,450,000	5,500,000	5,550,000	5,600,000	5,650,000	5,700,000	5,750,000	5,800,000	5,850,000	5,900,000	5,950,000	6,000,000	6,050,000	6,100,000	6,150,000	6,200,000	6,250,000	6,300,000	6,350,000	6,400,000	6,450,000	6,500,000	6,550,000	6,600,000	6,650,000	6,700,000	6,750,000	6,800,000	6,850,000	6,900,000	6,950,000	7,000,000	7,050,000	7,100,000	7,150,000	7,200,000	7,250,000	7,300,000	7,350,000	7,400,000	7,450,000	7,500,000	7,550,000	7,600,000	7,650,000	7,700,000	7,750,000	7,800,000	7,850,000	7,900,000	7,950,000	8,000,000	8,050,000	8,100,000	8,150,000	8,200,000	8,250,000	8,300,000	8,350,000	8,400,000	8,450,000	8,500,000	8,550,000	8,600,000	8,650,000	8,700,000	8,750,000	8,800,000	8,850,000	8,900,000	8,950,000	9,000,000	9,050,000	9,100,000	9,150,000	9,200,000	9,250,000	9,300,000	9,350,000	9,400,000	9,450,000	9,500,000	9,550,000	9,600,000	9,650,000	9,700,000	9,750,000	9,800,000	9,850,000	9,900,000

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-1.0000	-1.0000	-1.0000

725	.725	- .1167	- .161
751			

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-2115 -41030
- 3817

[illegible]

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-.3830
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0.65	- .4070	
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0.700
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1.000 - 1.040 - 1.530

0.950
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943

1. *Phragmites australis* (Cav.) Trin. ex Steud.
 2. *Scirpus americanus* (L.) P. B.
 3. *Eleocharis acicularis* (L.) Rostk Schmidt
 4. *Sagittaria arifolia* (L.) Link.
 5. *Alisma plantago-foliosa* (L.) Rostk Schmidt
 6. *Sparganium angustifolium* Michx.
 7. *Najas* sp.
 8. *Chara* sp.
 9. *Utricularia* sp.
 10. *Hydrocotyle* sp.
 11. *Salvinia* sp.
 12. *Wolffia* sp.
 13. *Elodea canadensis* (Mill.) B. S. P.
 14. *Hydrilla verticillata* (L.) Rostk Schmidt
 15. *Ulothrix* sp.
 16. *Chlorella* sp.
 17. *Scenedesmus* sp.
 18. *Volvox* sp.
 19. *Hydrocolea* sp.
 20. *Hydrocolea* sp.
 21. *Hydrocolea* sp.
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 96. *Hydrocolea* sp.
 97. *Hydrocolea* sp.
 98. *Hydrocolea* sp.
 99. *Hydrocolea* sp.
 100. *Hydrocolea* sp.

100

100

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CS 11-707 149 OCA + 53 + 19 LOWER WING

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (4) = 1.249 BETAT (5) = 2.070

V/BW	X/CW	.299	.364	.427	.534	.673	.780	.887
.965		-.2140						

MACH (4) = 1.249 BETAT (6) = 4.110

V/BW	X/CW	.299	.364	.427	.534	.673	.780	.887
.000		-.6280	-.3090	.1680	.5150	.4320	.4790	.3390
.030				.2870	.2140	.2240	.2390	.3600
.061			-.0970					
.094		-.1300			.1640	.1670	.2420	.2860
.130				.1680				
.177		-.1290						
.229			.2040		.0940	.1720	.2930	.2710
.246								
.290		.1680			.1530	.2180		.2160
.362								
.400				.0650				
.497		.0400			.0790	.0200		
.530				.0310				
.565								-.0250
.620							-.0360	
.650								
.710		-.0390			-.1190		-.1380	-.1330
.725								
.751				-.2290				
.780				-.2140	-.1910			
.775				-.2590				
.806								
.834		-.2510			-.3260	-.2700	-.2720	
.850				-.3790				
.857								
.865		-.3230						-.2370
.970		-.2230			-.3670			
.945				-.4740				
.950					-.4470	-.3080	-.3600	
.953				-.2550				
.965		-.2030						

MACH (4) = 1.249 BETAT (7) = 6.175

V/BW	X/CW	.299	.364	.427	.534	.673	.780	.887
.000		-.4430	-.2650	.0930	.4590	.4560	.4420	.2910
.030					.2310	.2490	.1990	.2980
.061				.3170				
.086								
.094		-.1580						

LATE 20 SEP 73

RELATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 CEA + S3 + T9 LOWER WING

(RBM/LUG)

PAGE 1523

SECTION (1) LOWER WING

DEPENDENT VARIABLE CF

MACH (4) = 1.246 BETAT (7) = 6.170

Y/BM X/CM	.299	.364	.427	.534	.673	.760	.867
.150			.1620	.2350	.2760	.1560	.2310
.177	-.1490						
.229		.1650		.1220	.0930	.2160	.2260
.246							
.250				.1020	.1560		.1660
.362	.1490						
.400			.0310				
.402				.0750	-.0710		
.497	.0250						
.550		.0350					
.565							
.600							
.650							
.700	-.0030			-.1440	-.1290	-.0430	-.0300
.725							
.750			-.2640				
.760				-.2350	-.2050		
.775			-.2600				
.808							
.824	-.2160			-.3420	-.2010	-.2890	
.850			-.3620				
.857							
.865	-.2660			-.4020			-.2550
.970	-.2140						
.975			-.3610				
.950				-.4580	-.3960	-.3760	
.953			-.3170				
.965	-.2110						
Y/BM X/CM	.299	.364	.427	.534	.673	.760	.867
.140	-.4650	-.2590	.0420	.4190	.3490	.3920	.2160
.150			.2870	.2650	.2760	.1670	.2640
.161		.1620					
.166							
.194	-.1940			.1670	.1780	.1640	.2420
.190			.2280				
.177							
.228	-.1230	.1720					
.246				.1690	.1160	.1940	.1720
.250							
.362	.1190			.1120	.1240		.1930
.400							
.402							
.497	.1310						

MACH (4) = 1.246 BETAT (7) = 6.170

20 SEP 73

TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 O2A + S3 + T9 LOWER WING

(FBNL09)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (4) = 1.246 BETAT (0) = 0.210

Y/BN X/CN	.299	.364	.427	.534	.673	.760	.887
.965			-.0510				
.960				.0020	-.0680		
.950						-.0930	-.0720
.930						-.1710	
.700	-.0920						
.725				-.1760			
.750						-.1060	-.2360
.760							
.775							
.808							
.834	-.1940						
.850							
.857							
.905	-.2080						
.900	-.1660						
.905							
.940							
.953							
.965	-.1640						

CS



DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

AWES 11-707 1A9 OCA + S3 + T9 LOWER WING

PAGE 1525

(REBUL10) (27 APR 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XREF = 26.5300 INCHES
LREF = 39.8490 INCHES YREF = .0000 INCHES
BREF = 39.8490 INCHES ZREF = .0000 INCHES
SCALE = .0300 SCALE

ALPHAT = 6.000 ORBINC = .500
RUDDER = .000 ELEVON = .000
RUDFLR = .000

PARAMETRIC DATA

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = .597 BETAT (1) = -8.070

V/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.2310	-.3070	-.2420	-.1680	-.0310	.1630	.2660
.050			-.1240	-.1660	.2420	-.4040	-.4420
.081		-.2410					
.094	-.2090			-.0010	.1640	-.3620	-.3260
.150			.0140				
.177	-.1350						
.229		-.2080		.3910	.0550	-.3670	-.2650
.246							
.250	.362	-.0070		.2650	-.0990		-.8920
.400			.3610				
.497	.3440			.1750	-.1680		
.550			.2600				-.8400
.565							
.620							
.650		.2410					
.700				-.1360			
.725							
.750							
.760			.1640				
.775				-.1720	-.5490		
.808			.0530				
.834	.1140			-.1730	-.4660	-.4290	
.851							
.857			-.1470				
.865	.0240						
.941	-.1710			-.0130			-.5570
.945			-.2380				
.951				.4360	-.4170	-.4490	
.953			-.2140				
.965	-.2630						

MACH (1) = .596 BETAT (2) = -6.050

V/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.2590	-.2570	-.0090	.1170	-.0740	-.2110	-.8160
.050				.3180	.3620	.3710	.4710
.081			.3330				
.086		.1340					
.094	.1120						

AMES 11-707 1A9 O2A + S3 + T9 LOWER WING

(RBNL10)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = .598 BETAT (2) = -6.150

V/BW X/CW	.299	.364	.427	.534	.673	.765	.887
.150			.2050	.2140	.2440	.2510	.2310
.177	.1430						
.229		.2470					
.246			.0990	.1530	.1650	.1550	
.250	.2250		.0200	.0970		.0460	
.362							
.400			-.0220				
.402							
.497	.1420			-.1660	-.1450		
.550							
.565			.2060				-.1020
.600						-.1430	
.690				-.2310			
.700	-.2250			-.2600		-.1700	-.1690
.725							
.750							
.760			-.3310		-.2260	-.2090	
.775							
.806			-.2210				
.834	-.2600						
.850				-.1660	-.1590	-.1610	
.857			-.1930				
.865	-.2170						
.900	-.1450			-.1130			-.1320
.905			-.1120				
.950				.0170	.0010	-.0090	
.953			.0020				
.963	-.0290						
V/BW X/CW	.299	.364	.427	.534	.673	.760	.887
.140							
.150	-.3060	-.2960	-.1240	.1130	-.0720	-.2120	-.0360
.160				.2690	.3340	.3450	.3960
.161		.1050	.3790				
.166							
.164	.1060			.1930	.2210	.2350	.2110
.150			.1630				
.177							
.229	.1170						
.246		.2150			.0610	.1390	.1410
.250							
.362	.1970						
.400				.1210	.0460		.0310
.402			-.0290				
.497	.1110						

MACH (1) = .597 BETAT (3) = -4.030

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(NO. 4.10)

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AMES 11-707 1A9 OEA + S3 + T9 LOWER WING

SECTION (1) LOC. WING

DEPENDENT VARIABLE CP

MACH (1) = .397 BETAT (3) = -4.030

V/BW X/CM	.299	.364	.427	.534	.673	.780	.887
.590							
.565							
.600							
.650							
.700							
.725							
.750							
.765							
.775							
.806							
.834							
.850							
.857							
.865							
.900							
.905							
.950							
.953							
.965							
V/BW X/CM	.299	.364	.427	.534	.673	.780	.887
.600							
.090							
.081							
.086							
.094							
.150							
.177							
.229							
.246							
.250							
.362							
.400							
.402							
.497							
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							

MACH (1) = .397 BETAT (4) = -2.000

AMES 11-707 1A9 OEA + S3 + T9 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACN (1) = .597 BETAT (4) = -2.000

Y/CM	X/CM	.299	.364	.427	.534	.673	.760	.887
.808				-1.090				
.834		-2.170			-1.060	-1.570	-1.640	
.850				-1.170				
.857					-1.080			-1.1290
.865		-1.1730						
.900		-1.1220		-1.070				
.905					.0060	.0050	-.0090	
.950								
.953				.0000				
.965		-1.0360						
Y/CM	X/CM	.299	.364	.427	.534	.673	.760	.887
.000		-.3970	-.3590	-.0410	.1110	-.0670	-.2000	-.0890
.050					.2200	.2060	.3000	.3460
.081			.0430	.2540				
.086								
.094		.0450						
.190				.1380	.1550	.1790	.1980	.1730
.117								
.229		.0710	.1640					
.246					.0840	.1020	.1300	.1040
.250								
.362		.1420			.0090	.0330		.0100
.400				-.0390				
.412								
.437		.0470			-.1430	-.1360		-.1220
.550				-.1750				
.565								
.611								
.690								
.700		-1.0820			-.2220	-.2160		
.725								
.751				-.2771				
.751					-.1990	-.1960		
.775								
.818				-1.1730				
.834		-1.1950						
.850					-.1760	-.1610	-.1611	
.857				-1.610				
.865		-1.1530						
.911		-1.020			-.1090			-1.1251
.915								
.950				-1.050	.0150	.0060	-.0481	
.953				-1.0130				

MACN (1) = .598 BETAT (5) = .080

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TABULATED PRESSURE DATA - 1A9A

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AMES 11-707 1A9 OEA + S3 + T9 LOWER WING

(RBM4.10)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

WACH (1) = .598 BETAT (5) = .1020

Y/BW	X/BW	Y/BW	X/BW	Y/BW	X/BW	Y/BW	X/BW
.299	.364	.427	.534	.673	.780	.887	
.965	-.0330						

WACH (1) = .598 BETAT (6) = 2.060

Y/BW	X/BW	Y/BW	X/BW	Y/BW	X/BW	Y/BW	X/BW
.299	.364	.427	.534	.673	.780	.887	
-.4310	-.3700	-.0770	.1030	-.0630	-.2130	-.9220	
.090			.1940	.2430	.2670	.3220	
.090		.2310					

Y/BW	X/BW	Y/BW	X/BW	Y/BW	X/BW	Y/BW	X/BW
.094	.0210	.0160					
.130		.1030	.1230	.1310	.1770	.1490	
.177	.0500						

Y/BW	X/BW	Y/BW	X/BW	Y/BW	X/BW	Y/BW	X/BW
.229	.0500	.1360					
.246			.0280	.0960	.5100	.0860	
.290							

Y/BW	X/BW	Y/BW	X/BW	Y/BW	X/BW	Y/BW	X/BW
.362	.1010		-.0030	.0170	-.0030		
.402		-.0610					
.497	.0050		-.1710				

Y/BW	X/BW	Y/BW	X/BW	Y/BW	X/BW	Y/BW	X/BW
.530			-.1440	-.1540			
.565		-.1710					
.600							

Y/BW	X/BW	Y/BW	X/BW	Y/BW	X/BW	Y/BW	X/BW
.630			-.2180	-.2270			
.700	-.1940						
.725			-.1740	-.2020			

Y/BW	X/BW	Y/BW	X/BW	Y/BW	X/BW	Y/BW	X/BW
.750		-.2630					
.760			-.2000	-.2090			
.775		-.1740					

Y/BW	X/BW	Y/BW	X/BW	Y/BW	X/BW	Y/BW	X/BW
.806			-.1820	-.1630	-.1640		
.834	-.1820						
.890		-.1630					

Y/BW	X/BW	Y/BW	X/BW	Y/BW	X/BW	Y/BW	X/BW
.857			-.1090				
.865	-.1540						
.910	-.1180	-.1110					

Y/BW	X/BW	Y/BW	X/BW	Y/BW	X/BW	Y/BW	X/BW
.915			.0050	-.0010	-.0130		
.950		-.0090					
.953							

Y/BW	X/BW	Y/BW	X/BW	Y/BW	X/BW	Y/BW	X/BW
.965	-.1740						

Y/BW	X/BW	Y/BW	X/BW	Y/BW	X/BW	Y/BW	X/BW
.299	.364	.427	.534	.673	.780	.887	
.1410							

Y/BW	X/BW	Y/BW	X/BW	Y/BW	X/BW	Y/BW	X/BW
.1410							
.150							

Y/BW	X/BW	Y/BW	X/BW	Y/BW	X/BW	Y/BW	X/BW
.161							
.186		-.0120					
.194	.1420						

WACH (1) = .597 BETAT (7) = 4.080

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = .597 BETAT (7) = 4.090

V/W X/CU	.209	.364	.427	.534	.673	.760	.667
.150			.0890				
.177	.0300			.1160	.1430	.1660	.1420
.229		.1140					
.246				.0240	.0630	.1030	.0740
.250							
.362	.0860			-.0010	.0110		-.0120
.400			-.0900				
.402							
.467	.0000						
.550			-.1460	-.1400	-.1460		
.565							-.1410
.600					-.1460		
.690				-.2240			
.700	-.1600			-.2120			
.725					-.1770	-.1960	
.750		-.2450					
.760			-.1520	-.1940	-.2000		
.775							
.808		-.1520					
.834	-.1520			-.1660	-.1560	-.1560	
.850			-.1450				
.857							
.865	-.1190			-.1100			-.1230
.900	-.0860		-.0930				
.905				.0150	.0090	-.0060	
.950			-.0750				
.953							
.965	-.0400						
V/W X/CU	.299	.364	.427	.534	.673	.760	.667
.140	-.3560	-.2790	-.1520	.0160	-.1370	-.2760	-.9690
.150			.2060	.1770	.2190	.2310	.2640
.161		-.0300					
.166							
.194	-.0160			.1070	.1310	.1510	.1260
.150			.0940				
.177		.0140					
.229			.1040				
.246				.0190	.0740	.0940	.0610
.250							
.362	.0570			-.0050	.0120		-.0160
.400							
.402			-.0370				
.467							
.550	-.0100						

MACH (1) = .598 BETAT (8) = 6.130

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TABULATED PRESSURE DATA - 1A9A

(R094.10)

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ANCS 11-707 1A9 OCA + S3 + T9 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = .596 BETAT (0) = 0.130

V/CM X/CM	.299	.364	.427	.534	.673	.760	.807
.530							
.565							
.620							
.630							
.700							
.725							
.730							
.760							
.775							
.800							
.834							
.850							
.857							
.865							
.900							
.905							
.950							
.953							
.965							
V/CM X/CM	.299	.364	.427	.534	.673	.760	.807
.000							
.050							
.061							
.066							
.094							
.150							
.177							
.229							
.246							
.250							
.362							
.414							
.412							
.497							
.534							
.565							
.674							
.634							
.714							
.725							
.750							
.764							
.775							

MACH (1) = .596 BETAT (9) = 0.170

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TABULATED PRESSURE DATA - 1A9A

(RBMAL10)

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AWES 11-707 1A9 OCA + S3 + T9 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = .901 BETAT (1) = -8.160

V/BW X/CW	.299	.364	.427	.534	.673	.760	.887
.965	-.0470						

MACH (2) = .920 BETAT (2) = -6.110

V/BW X/CW	.299	.364	.427	.534	.673	.760	.887
.000	-.2670	-.1690	.2390	.4640	.3580	.3130	-.0490
.050			.4180	.7630	.3610	.3610	.3950
.081		.1960					
.086							
.094		.1290		.2950	.2960	.2950	.2420
.150			.2930				
.177		.1670					
.229			.3270				
.246				.1820	.2130	.2070	.1650
.250				.1160	.1000		.0510
.362		.3130					
.400			.1000				
.402							
.497		.2510		-.1070	-.2060		
.550							
.565			-.1010				
.600							
.650		-.0600					
.700				-.4430	-.4120		
.725							
.750							
.760			-.6750				
.775				-.5760	-.4990		
.808			-.4170				
.834		-.3360		-.3570	-.5720	-.5760	
.850			-.2420				
.857							
.865		-.3470					
.920		-.1650		-.1510			
.945			-.1220				
.950				.0010	-.1100	-.4950	
.953			.0210				
.965		-.0360					

MACH (2) = .903 BETAT (3) = -4.070

V/BW X/CW	.299	.364	.427	.534	.673	.760	.887
.1640	-.3670	-.2290	.2070	.4350	.3240	.2860	-.1680
.1690			.3660	.3200	.3380	.3390	.3650
.181							
.186		.1600					
.194		.1110					

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = .902 BETAT (5) = 2.080

Y/CM	X/CM	CP
.008	.299	.534
.034	.299	.427
.050	.299	.534
.057	.299	.673
.065	.299	.780
.070	.299	.887

Y/CM	X/CM	CP
.008	.299	.534
.034	.299	.427
.050	.299	.534
.057	.299	.673
.065	.299	.780
.070	.299	.887

Y/CM	X/CM	CP
.008	.299	.534
.034	.299	.427
.050	.299	.534
.057	.299	.673
.065	.299	.780
.070	.299	.887

Y/CM	X/CM	CP
.008	.299	.534
.034	.299	.427
.050	.299	.534
.057	.299	.673
.065	.299	.780
.070	.299	.887

Y/CM	X/CM	CP
.008	.299	.534
.034	.299	.427
.050	.299	.534
.057	.299	.673
.065	.299	.780
.070	.299	.887

MACH (2) = .902 BETAT (5) = 2.080

Y/CM	X/CM	CP
.008	.299	.534
.034	.299	.427
.050	.299	.534
.057	.299	.673
.065	.299	.780
.070	.299	.887

Y/CM	X/CM	CP
.008	.299	.534
.034	.299	.427
.050	.299	.534
.057	.299	.673
.065	.299	.780
.070	.299	.887

Y/CM	X/CM	CP
.008	.299	.534
.034	.299	.427
.050	.299	.534
.057	.299	.673
.065	.299	.780
.070	.299	.887

Y/CM	X/CM	CP
.008	.299	.534
.034	.299	.427
.050	.299	.534
.057	.299	.673
.065	.299	.780
.070	.299	.887

Y/CM	X/CM	CP
.008	.299	.534
.034	.299	.427
.050	.299	.534
.057	.299	.673
.065	.299	.780
.070	.299	.887

Y/CM	X/CM	CP
.008	.299	.534
.034	.299	.427
.050	.299	.534
.057	.299	.673
.065	.299	.780
.070	.299	.887

Y/CM	X/CM	CP
.008	.299	.534
.034	.299	.427
.050	.299	.534
.057	.299	.673
.065	.299	.780
.070	.299	.887

Y/CM	X/CM	CP
.008	.299	.534
.034	.299	.427
.050	.299	.534
.057	.299	.673
.065	.299	.780
.070	.299	.887

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TABULATED PRESSURE DATA - 1A9A

(REPL 10)

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AMES 11-707 1A9 O2A + S3 + T9 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = .901 BETAT (6) = 4.130

V/BW X/CW	.299	.364	.427	.534	.673	.780	.867
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MACH (2) = .901 BETAT (7) = 6.230

V/BW X/CW	.299	.364	.427	.534	.673	.780	.867
.090	-.3060	-.1720	-.0280	.2260	.1470	.1100	-.3140
.091	.0000	.0130	.2370	.1900	.2010	.2050	.2370
.096	.0300						
.150			.1300	.1310	.1340	.1530	.1000
.177	.0630	.1490					
.229				.0290	.0840	.0930	.0460
.246							
.250	.1100			.0170	.0040		-.0430
.362							
.400			-.0270				
.402	.0280						
.497				-.1660	-.2550		
.550			-.1560				
.565							-.2600
.600							
.650	-.1340			-.3640			
.700							
.725							
.750							
.760			-.3560				
.775				-.3220	-.4190		
.808			-.2350				
.834	-.2190						
.850				-.3010	-.3490	-.4120	
.857			-.2270				
.865	-.2000						
.865				-.1610			-.3130
.943	-.1590		-.1530				
.945				-.0110	-.0640	-.1720	
.950							
.953			-.0360				
.965	-.1340						

MACH (2) = .900 BETAT (8) = 8.260

V/BW X/CW	.299	.364	.427	.534	.673	.780	.867
.140	-.3250	-.1440	-.1070	.1600	.0650	.0660	-.3640
.150				.1640	.2100	.1910	.2220
.161							
.166			-.0100				
.194							

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TABULATED PRESSURE DATA - 1A9A

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AMES 11-707 1A9 O2A + S3 + T9 LOWER WING

(REF. 11)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = .900 BETAT (8) = 8.280

V/BW K/CM	.299	.364	.427	.534	.673	.780	.887
.190							
.177	.0420		.1230	.1140	.1280	.1400	.1650
.229		.1880					
.246				.0170	.0710	.0770	.0270
.230							
.362	.0870			.0100	-.0110		-.0440
.400							
.402			-.0450				
.497	.0180						
.590				-.1590	-.2800		
.585			-.1680				
.600						-.2980	-.2830
.690							
.700	-.1670						
.725				-.3300			
.790						-.3810	-.3980
.760			-.3240				
.775				-.3600	-.4080		
.818			-.2270				
.834		-.2190					
.890			-.2050		-.3680	-.4000	-.4640
.857							
.865	-.2080						
.870	-.1840						
.905			-.1820		-.1970		-.3640
.950				-.1690	-.1020	-.1950	
.953			-.1330				
.965	-.1680						

V/BW K/CM	.639	.364	.427	.534	.673	.780	.887
.661	-.1670	-.1600	.3570	.6340	.5580	.5310	.2350
.690				.5450	.5580	.5390	.5540
.681			.5750				
.686		.2070					
.694	.0160						
.690				.4760	.4770	.4750	.4250
.677							
.679	.1590						
.646		.4630					
.626				.3640	.4180	.4120	.3640
.620							
.622	.4270			.3310	.3150		.2760
.610							
.612			.2990				
.697	.4270						

MACH (3) = 1.103 BETAT (1) = -8.180



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TABULATED PRESSURE DATA - 1A9A

AMES 11-707 IAS O2A + S3 + T9 LOWER WING

(RBM L10)

SECTION (3) = 11 LOWER WING

DEPENDENT VARIABLE CP

MACH (3) = 1.103 BETAT (1) = -0.100

Y/BW X/CM	.299	.364	.427	.534	.673	.760	.867
.550			.1530	.1460	.0490		.0320
.565							
.600							
.690							
.700	.1960						
.725							
.750							
.760							
.775							
.808							
.834	-.3060						
.890							
.857							
.865	-.4860						
.920	-.6470						
.905							
.960							
.953							
.965	-.1610						
Y/BW X/CM	.299	.364	.427	.534	.673	.760	.867
.000	-.2580	-.2400	.3090	.6070	.5330	.5110	.2060
.090							
.061							
.066							
.094							
.150							
.177							
.229	.1310		.4230	.4320	.4400	.4450	.3990
.246		.4270		.3250	.3780	.3790	.3350
.290							
.362	.3630						
.410							
.412							
.497	.3640		.2640				
.550							
.565							
.600							
.690							
.700	.1640						
.725							
.750							
.760							
.775							

MACH (3) = 1.103 BETAT (2) = -0.130

.550							
.565							
.600							
.690							
.700	.1960						
.725							
.750							
.760							
.775							
.808							
.834	-.3060						
.890							
.857							
.865	-.4860						
.920	-.6470						
.905							
.960							
.953							
.965	-.1610						
Y/BW X/CM	.299	.364	.427	.534	.673	.760	.867
.000	-.2580	-.2400	.3090	.6070	.5330	.5110	.2060
.090							
.061							
.066							
.094							
.150							
.177							
.229	.1310		.4230	.4320	.4400	.4450	.3990
.246		.4270		.3250	.3780	.3790	.3350
.290							
.362	.3630						
.410							
.412							
.497	.3640		.2640				
.550							
.565							
.600							
.690							
.700	.1640						
.725							
.750							
.760							
.775							



DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 OCA + S3 + T9 LOWER WING

(RBWL10)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (3) = 1.102 BETAT (3) = -4.080

V/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.965	-1140						

MACH (3) = 1.102 BETAT (4) = -2.020

V/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.4290	-.4140	.2480	.5480	.4610	.4630	.1580
.050			.4570	.3970	.4190	.4190	.4560
.081		.0760					
.086							
.094	-.0740			.3400	.3470	.3780	.3390
.190			.3340				
.177		.0890					
.229							
.246		.3400		.2380	.3040	.3270	.2840
.250							
.362	.2880			.2410	.2370		.2080
.400			.1760				
.402							
.497	.2730			.0840	-.0100		
.550			.0630				
.565							-.0540
.600							
.650							
.700	.0690						
.725				-.1960			
.750							
.760							
.775							
.808							
.834	-.3660						
.850							
.857							
.865	-.5180						
.941	-.2870						
.945							
.950							
.953							
.965	-.0630						

MACH (3) = 1.102 BETAT (5) = 2.080

V/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.5910	-.4030	.1220	.4740	.4060	.4150	.1020
.050				.3000	.3460	.3680	.4240
.081							
.086		.0570					
.094	-.1390						

AMES 11-707 1A9 OCA + S3 + T9 LOWER WING

SECTION (3) LOWER WING

DEPENDENT VARIABLE CP

MACH (3) = 1.102 BETAT (5) = 2.080

V/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.150			.2240				
.177	.0710						
.229		.2280					
.246				.1650	.2580	.2880	.2550
.250							
.362	.1610			.1900	.1930		.1610
.400			.1140				
.402							
.497	.1420			.0390	-.0360		
.550							
.565			.0050			-.0880	-.0800
.600							
.690							
.700	.0110			-.2430	-.2130		
.725						-.2250	-.2580
.750			-.4050				
.760				-.3540	-.3040		
.775			-.3870				
.808							
.834	-.4080			-.4770	-.3910	-.3910	
.850			-.5240				
.857							
.865	-.2850			-.4930			-.3150
.900	-.2080						
.905			-.2530				
.950			-.1420	-.5230	-.4670		
.955			-.0930				
.965	-.0820						
V/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.040		-.5950	-.2060	.1680	.4460	.3750	.0630
.050				.2860	.3250	.3470	.3990
.061			.2930				
.086							
.094	-.1690			.2350	.2650	.3180	.2820
.150		.0420					
.177			.2120				
.229	.0470						
.246		.1860					
.250				.1460	.2360	.2730	.2340
.362	.1550						
.400				.1540	.1720		.1650
.402			.1950				
.497	-.0940						

MACH (3) = 1.102 BETAT (6) = 4.140



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TABULATED PRESSURE DATA - 1A0A

(0804110)

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MES 11-707 1A9 CEA + S3 + 19 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

WACH (3) = 1.102 BETAT (6) = 4.140

Y/CM

.590	.299	.364	.427	.534	.673	.760	.887
.565			-.0040	.0160	-.0330		
.600						-.1140	-.1130
.630					-.2300		
.700	-.0600			-.2310		-.2360	-.2760
.725							
.730							
.760							
.775							
.806							
.834							
.850							
.857							
.865							
.900							
.905							
.930							
.955							
.965							

WACH (3) = 1.100 BETAT (7) = 6.210

Y/CM

.000	-.6120	-.2560	.0630	.2930	.3140	.3140	-.0010
.050				.2760	.3050	.3190	.3760
.061							
.066							
.094	-.2420	.0340	.3030				
.150							
.177							
.229	.0560		.2120	.2300	.2450	.2660	.2370
.246		.1960					
.250							
.362	.1460						
.414							
.412							
.497	.1140		.0740				
.590							
.565							
.614							
.650							
.710	-.0810						
.725							
.730							
.760							
.775							

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TABULATED PRESSURE DATA - 1A9A

(000410)

AMES 11-707 1A9 OCA + S3 + T9 LOWER WING

SECTION (1) LOWER WING

MACN (3) = 1.100 BETAT (7) = 0.210

DEPENDENT VARIABLE CP

V/BW	V/CM	.299	.364	.427	.534	.673	.760	.867
.808				-.3130				
.834		-.2240			-.4710	-.4110	-.4080	
.850				-.3580				-.3390
.857					-.4160			
.865		-.2310						
.900		-.2060						
.905				-.3560				
.930					-.1400	-.3080	-.4960	
.933				-.1280				
.965		-.1680						
V/BW	.299	.364	.427	.534	.673	.760	.867	
V/CM								
.000	-.6460	-.2070	-.0700	.2170	.1710	.2580	-.0810	
.090			.3130	.2470	.2980	.2060	.3700	
.091		.0360						
.096		-.2320			.1930	.2280	.2330	.2430
.094				.2110				
.130								
.177		.0470						
.229			.1790		.0990	.1910	.2120	.1980
.246								
.250						.1120	.1260	.1690
.362		.1160						
.400				.0280				
.402					-.0330	-.0660		
.497		.0830			-.0740			-.1140
.550								
.565								
.620						-.1460		
.650						-.2480		
.710		-.1450			-.2750		-.2510	-.2990
.725								
.790								
.775					-.3330			
.760						-.3370	-.3230	
.816					-.2600			
.834		-.1990				-.3630	-.4010	-.4100
.850								
.857					-.2670			
.865								-.3540
.900		-.2090				-.3660		
.905		-.1970						
.930					-.2560			
.933						-.2540	-.3340	-.4960
.965					-.1570			



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TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 O2A + S3 + T9 LOWER WING

(REF. 110)

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SECTION (1) LOWER WING
DEPENDENT VARIABLE CP

MACH (3) = 1.106 BETAT (8) = 0.260

V/BW X/CM	.299	.364	.427	.534	.673	.760	.667
--------------	------	------	------	------	------	------	------

MACH (4) = 1.246 BETAT (1) = -0.140

V/BW X/CM	.299	.364	.427	.534	.673	.760	.667
--------------	------	------	------	------	------	------	------

.000	-.0990	-.10820	.4410	.7320	.6720	.6620	.4530
------	--------	---------	-------	-------	-------	-------	-------

.050			.5970	.5480	.5600	.5440	.6000
------	--	--	-------	-------	-------	-------	-------

.100		.1340			.4920	.5190	.4800
------	--	-------	--	--	-------	-------	-------

.150			.4860				.4840
------	--	--	-------	--	--	--	-------

.200		.1140			.3960	.3620	.4690
------	--	-------	--	--	-------	-------	-------

.250		.4730					.4350
------	--	-------	--	--	--	--	-------

.300			.3510	.4030	.3690		.3610
------	--	--	-------	-------	-------	--	-------

.350					.2560	.1150	
------	--	--	--	--	-------	-------	--

.400		.4540					.1120
------	--	-------	--	--	--	--	-------

.450			.2490				
------	--	--	-------	--	--	--	--

.500							
------	--	--	--	--	--	--	--

.550							
------	--	--	--	--	--	--	--

.600							
------	--	--	--	--	--	--	--

.650		.2830					
------	--	-------	--	--	--	--	--

.700							
------	--	--	--	--	--	--	--

.750							
------	--	--	--	--	--	--	--

.800							
------	--	--	--	--	--	--	--

.850							
------	--	--	--	--	--	--	--

.900							
------	--	--	--	--	--	--	--

.950							
------	--	--	--	--	--	--	--

.965							
------	--	--	--	--	--	--	--

.965							
------	--	--	--	--	--	--	--

MACH (4) = 1.246 BETAT (2) = -0.080

V/BW X/CM	.299	.364	.427	.534	.673	.760	.667
--------------	------	------	------	------	------	------	------

.000	-.1670	-.16820	.3630	.7110	.6350	.6220	.4060
------	--------	---------	-------	-------	-------	-------	-------

.050			.5610	.5110	.5240	.5120	.5790
------	--	--	-------	-------	-------	-------	-------

.100		.0770					
------	--	-------	--	--	--	--	--

.150							
------	--	--	--	--	--	--	--

.200							
------	--	--	--	--	--	--	--

SECTION (4) LOWER WING

DEPENDENT VARIABLE CP

MACH (4) = 1.240 BETAT (2) = -6.000

V/BM X/CM	.299	.364	.427	.534	.673	.780	.887
.117	.0610		.4390				
.229				.4500			
.246							
.250				.3560	.3470	.4490	.4160
.362	.3780			.3790	.3690		.3440
.400			.3140				
.402							
.497	.4100			.2350	.1090		
.550				.2160			
.565						.0780	.0900
.600							
.650	.2480						
.700							
.725							
.750							
.760							
.775							
.806							
.834							
.850							
.857							
.865							
.900							
.905							
.950							
.953							
.965							
.299	.364	.427	.534	.673	.780	.887	
.060							
.060							
.061							
.086							
.094							
.150							
.177							
.229							
.246							
.250							
.362							
.400							
.402							
.497							
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							
.806							
.834							
.850							
.857							
.865							
.900							
.905							
.950							
.953							
.965							

MACH (4) = 1.290 BETAT (3) = -6.050

V/BM X/CM	.299	.364	.427	.534	.673	.780	.887
.060							
.060							
.061							
.086							
.094							
.150							
.177							
.229							
.246							
.250							
.362							
.400							
.402							
.497							
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							
.806							
.834							
.850							
.857							
.865							
.900							
.905							
.950							
.953							
.965							
.299	.364	.427	.534	.673	.780	.887	
.060							
.060							
.061							
.086							
.094							
.150							
.177							
.229							
.246							
.250							
.362							
.400							
.402							
.497							
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							
.806							
.834							
.850							
.857							
.865							
.900							
.905							
.950							
.953							
.965							

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TABULATED PRESSURE DATA - 1A9A

(RBM 110)

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AMES 11-707 1A9 02A + S3 + T9 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (4) = 1.250 BETAT (3) = -4.050

V/BW X/CM	.299	.364	.427	.534	.673	.780	.867
.590							
.565			.1930	.2120	.0860		
.600						.0610	.0720
.650							
.700	.2230			-.0330	-.0360		
.725						-.0510	-.0920
.750							
.775				-.1560	-.1290	-.1130	
.808				-.1630			
.834	-.1790				-.2570	-.1980	-.2000
.850							
.857				-.3070			
.865	-.3430				-.3270		-.1510
.900	-.4440			-.4330			
.905				-.3890	-.3650	-.2870	
.950							
.953				-.4490			
.965	-.2540						
V/BW X/CM	.299	.364	.427	.534	.673	.780	.867
.000	-.3225	-.3410	.2360	.6160	.5560	.5470	.3370
.050			.4900	.4340	.4500	.4290	.5800
.081			-.0030				
.086							
.094	-.0070						
.130				.3670	.3740	.3690	.4110
.177				.3730			
.29	-.0110						
.246		.3370					
.250				.2570	.2580	.4010	.3740
.362	.2730			.3120	.3340		.3100
.414							
.412			.1830				
.497	.3160						
.550				.2050	.0750		
.565			.2040				
.614							.0540
.631						.1440	
.714	.2170						
.725				-.0550			
.794						-.0700	-.1110
.764							
.775				-.1730	-.1560	-.1340	

MACH (4) = 1.249 BETAT (4) = -2.060

SECTION (1) LOWER WING

DEPENDENT VARIABLE CF

MACH (4) = 1.249 BETAT (4) = -2.020

V/BU X/BU	.299	.364	.427	.534	.673	.760	.887
.826			-.2030				
.834	-.2010						
.850				-.2730	-.2160	-.2160	
.857			-.3200				
.865	-.3640						-.1920
.900	-.4660			-.3410			
.905			-.4470				
.920				-.4030	-.3410	-.3040	
.933							
.965	-.2560		-.4620				

MACH (4) = 1.245 BETAT (5) = 2.070

V/BU X/BU	.299	.364	.427	.534	.673	.760	.887
.000	-.4220	-.3570	.1290	.5120	.4770	.4620	.2920
.090				.3990	.3960	.3270	.4460
.081		-.0470	.3660				
.086							
.094	-.0760			.2900	.2690	.2670	.3920
.150							
.177	.177		.2560				
.229	-.0710						
.246		.2210		.1630	.1700	.3450	.3320
.290							
.362	.1690			.2040	.2670		.2700
.400							
.402			.0990				
.497	.1690			.1290	.0400		.0100
.590			.0910				
.565							
.600						-.0100	
.650							
.700	.0630			-.1260		-.1060	
.725						-.1130	-.1570
.750							
.760			-.2420			-.2130	-.1640
.775							
.818			-.2670				
.834	-.2580						
.850				-.3300	-.2620	-.2590	
.857			-.3850				
.865	-.4050						-.2170
.900	-.2790			-.3960			
.905			-.4960				
.920				-.4470	-.3780	-.3440	
.950							
.953			-.2650				



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TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 OCA + S3 + T9 LOWER WING

(RBWL10)

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SECTION (4) LOWER WING

DEPENDENT VARIABLE CP

MACH (4) = 1.245 BETAT (5) = 2.070

V/BW X/CW	.299	.364	.427	.534	.673	.780	.887
--------------	------	------	------	------	------	------	------

MACH (4) = 1.247 BETAT (6) = 4.120

V/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.050	-.4330	-.3540	.0810	.4760	.4360	.4480	.2770
.061			.3030	.2680	.3290	.3490	.4580
.094	-.1140	-.0720					
.150			.1640	.2370	.2780	.3420	.3930
.177							
.229	-.1130						
.246		.1940		.1570	.2230	.3520	.3080
.290							
.362	.1680		.2130	.2440			.2500
.400			.0980				
.402				.1140	.0180		.0080
.497	.0390						
.550			.1010				
.565							
.670							
.680							
.700	.0740			-.1280	-.1060		
.725							
.750							
.760							
.775							
.808							
.834	-.2630						
.850							
.857							
.865	-.3080						
.940	-.1840						
.945							
.950							
.953							
.965	-.1970						

MACH (4) = 1.246 BETAT (7) = 6.160

V/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.170	-.4480	-.3300	.0290	.3750	.4050	.4090	.2180
.181			.3170	.2920	.3120	.2850	.4020
.186							
.194	-.1310	-.0230					

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (4) = 1.246 BETAT (7) = 6.160

V/BW X/CM	.299	.364	.427	.534	.673	.780	.887
.150			.2110	.2630	.2520	.2630	.3130
.177	-.1410						
.229		.1910					
.246				.1410	.1390	.3020	.2860
.250							
.362	.1410			.1930	.2160		.2280
.410			.0770				
.412							
.497	.0430			.0930	-.0180		-.0170
.550			.0700				
.565							
.600						-.0320	
.650			.0210	-.1480	-.1310		
.700						-.1420	-.1790
.725							
.750							
.760							
.775							
.806			-.2930	-.2290	-.2060		
.834	-.2190						
.850			-.2730	-.3360	-.2810	-.2610	
.857							
.865	-.2420						
.940	-.1820			-.4170			-.2320
.905			-.3520				
.950				-.4510	-.3920	-.3670	
.953			-.2860				
.965	-.1850						

MACH (4) = 1.247 BETAT (7) = 6.220

V/BW X/CM	.299	.364	.427	.534	.673	.780	.887
.144	-.4710	-.3010	-.1020	.3080	.2670	.3460	.1510
.150				.2590	.2750	.2440	.3640
.181			.2810				
.186							
.194	-.1670			.2050	.2240	.2130	.2510
.150							
.177			.2420				
.229	-.1670						
.246		.1610					
.250				.1140	.1350	.2300	.2260
.362	.0930						
.410				.1180	.1530		.2160
.412							
.497	.1570						

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TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 O2A + S3 + T9 LOWER WING

(FROM L10)

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SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (4) = 1.247 BETAI (0) = 0.220

Y/BW X/CM	.299	.364	.427	.534	.673	.760	.867
.590			-.0280	.0310	-.1920		-.0420
.565						-.0670	
.602					-.1520		
.650	-.0920			-.1750		-.1630	-.2080
.700							
.725							
.750			-.2070				
.760				-.2670	-.2240		
.775			-.2750				
.806							
.834	-.1020			-.3630	-.2960	-.2930	
.850							
.857			-.2770				
.865	-.1670			-.3930			-.2580
.910	-.1730						
.905			-.2620				
.950				-.3910	-.4070	-.3730	
.953			-.2130				
.965	-.1540						

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TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 O2A +.23 + T9 .MER WING

REFERENCE DATA

SREF = 2.4210 SQ.FT. XREF = 28.5300 INCHES
LREF = 39.3490 INCHES YREF = .0000 INCHES
BREF = 39.8490 INCHES ZREF = .0000 INCHES
SCALE = .0000 SCALE

ALPHAT = 8.000 ORGINC = .500
RUDDER = .000 ELEVON = .000
RUDDLR = .000

PARAMETRIC DATA

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

WACH (1) = .599 BETAT (1) = -8.040

V/BW X/CU	.299	.364	.427	.534	.673	.780	.887
.000	-.3120	-.4270	-.1550	-.0770	-.3150	-.5100	-1.0090
.050			.4210	.4190	.4580	.4760	.4960
.061		.1710					
.086				.2900	.3140	.3360	.3680
.094			.2770				
.130							
.177							
.229		.3090					
.246				.1610	.2170	.2360	.2160
.250					.0560	.0950	.0920
.362	.2740						
.400			.1220				
.402							
.497	.1940			-.1410	-.1160		
.550			-.1900				-.0720
.565							
.600							-.1060
.650	-.2120			-.2500	-.2130		
.700							
.725							-.1570
.750			-.3370				-.1750
.760				-.2390	-.2020		
.775							
.806			-.2340				
.834	-.2950			-.2050	-.1680	-.1720	
.850							
.857			-.1990				
.865	-.2360			-.1340			-.1240
.914	-.1530						
.915			-.1290				
.930				.0000	-.0230	-.0450	
.935			-.0100				
.965	-.0210						
V/BW X/CU	.299	.364	.427	.534	.673	.780	.887
.000	-.3670	-.4560	-.1730	-.0710	-.3140	-.5210	-1.1640
.050			.3890	.3920	.4440	.4490	.4660
.081							
.086		.1460					
.094	.1230						

WACH (1) = .597 BETAT (2) = -6.030

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TABULATED PRESSURE DATA - 1A9A

(RBNL11)

AMES 11-707 1A9 OCA + S3 + T9 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = .597 BETAT (3) = -4.010

Y/BA X/CA	.299	.364	.427	.534	.673	.760	.667
.590							
.565							
.600							
.690							
.700							
.725							
.750							
.760							
.775							
.808							
.834							
.890							
.897							
.965							
.965							
.990							
.993							
.985							
.599	.364	.427	.534	.673	.760	.667	
.000	-.4680	-.4910	-.1670	-.0690	-.3500	-.5820	-1.1360
.050			.3260	.3250	.3620	.4060	.4290
.081		.0780					
.086							
.094	.0660			.2370	.2360	.2660	.2910
.150			.1930				
.177							
.229	.1060						
.246		.2130					
.290				.1060	.1630	.2060	.1650
.362	.1630			.0520	.0740		.0590
.474							
.472			-.1620				
.497	.1160			-.1260	-.1100		
.580			-.1530				
.565							
.674							
.630							
.740	-.1740			-.2090	-.1990		
.725							
.750							
.760							
.775							
			-.2710	-.1960	-.1670		

MACH (1) = .597 BETAT (4) = -2.000

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 O2A S3 + T9 LOWER WING

(R09L11)

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SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = .399 BETAT (4) = -2.000

Y/BW
X/CW

.299 .364 .427 .534 .673 .760 .867

.028 -.2030

-.1610

.634 -.2030

-.1710 -.1480 -.1950

.830

-.1640

.837

-.1070

-.1080

.865 -.1650

-.0690

.900 -.1120

.0150 -.0040 -.0240

.915

.0140

.930

.0140

.933

.0140

.965 -.0280

.0140

MACH (1) = .600 BETAT (5) = .020

Y/BW
X/CW

.299 .364 .427 .534 .673 .760 .867

.000 -.5030

-.1820

.050

-.1820

-.0610 -.3330 -.3750 -.1.2130

.081

.3010

.2760 .3550 .3600 .3970

.086

.0460

.1630 .2910 .2670 .2330

.094

.0460

.1630 .2910 .2670 .2330

.130

.1650

.0750 .1530 .1790 .1540

.177

.0770

.0290 .0630 .0430

.246

.1610

.0750 .1530 .1790 .1540

.290

.1460

.0290 .0630 .0430

.362

.1460

.0290 .0630 .0430

.400

.1460

.0290 .0630 .0430

.402

.1460

.0290 .0630 .0430

.497

.0400

.1260 -.1270

.550

.1540

.1260 -.1270

.565

.1540

.1260 -.1270

.670

.1540

.1260 -.1270

.690

.1540

.1260 -.1270

.710

.1540

.1260 -.1270

.725

.1540

.1260 -.1270

.790

.1540

.1260 -.1270

.764

.1540

.1260 -.1270

.775

.1540

.1260 -.1270

.848

.1540

.1260 -.1270

.834

.1540

.1260 -.1270

.850

.1540

.1260 -.1270

.857

.1540

.1260 -.1270

.865

.1540

.1260 -.1270

.944

.1540

.1260 -.1270

.915

.1540

.1260 -.1270

.950

.1540

.1260 -.1270

.952

.1540

.1260 -.1270

AMES 11-707 1A9 OEA + S3 + T9 LOWER WING

(RBL11)

SERIAL (1) LOWER WING

DEPENDENT VARIABLE CP

MAC+ (1) = .600 BETAT (5) = .020

V/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.965	-.0390						

MAC+ (1) = .590 BETAT (6) = 2.060

V/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.4740	-.4440	-.1060	-.0520	-.3060	-.5370	-1.2040
.050				.2620	.3290	.3560	.3820
.081			.2860				
.096		.0180					
.094		.0270		.1780	.2140	.2300	.2160
.150			.1360				
.177		.0800					
.229				.1510			
.246				.0880	.1420	.1740	.1420
.290		.1170		.0280	.0590		.0400
.400							
.402			-.0310				
.497	.0330						
.580			-.1900	-.1160	-.1160		
.565						-.1170	-.1000
.600						-.2010	
.700	-.1610			-.1970		-.1540	-.1010
.725							
.750							
.760			-.2430				
.775				-.1070	-.1690		
.818			-.1590				
.834	-.1700			-.1710	-.1540	-.1590	
.850							
.857			-.1480				
.865	-.1900			-.1060			-.1040
.910	-.1080						
.905			-.1010				
.980				.0100	-.0420	-.0240	
.953			-.1020				
.965	-.0440						

MAC+ (1) = .597 BETAT (7) = 3.080

V/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.4400	-.4000	-.1860	-.0590	-.3130	-.5620	-1.2280
.050			.2530	.3260	.3470	.3730	
.081			.2570				
.086		.0060					
.094		.0190					

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TABULATED PRESSURE DATA - 1A9A

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AEC5 11-107 1A9 OCA + S3 + T9 LOWER WING

(REWL11)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = .597 BETAT (7) = 3.080

Y/BW X/CM	.299	.364	.427	.534	.673	.760	.667
.150							
.177			.1260	.1700	.2090	.2460	.2190
.229	.0460	.1410					
.246				.0660	.1360	.1720	.1370
.250							
.362	.1020			.0240	.0590		.0310
.400							
.402			-.0260				
.497	.0190			-.1140	-.1220		
.590							
.595			-.1440				-.0950
.600						-.1160	
.690							
.700	-.1530			-.1910	-.1910		
.725						-.1460	-.1790
.750			-.2350				
.760				-.1790	-.1670		
.775			-.1490				
.806							
.834	-.1510			-.1610	-.1510	-.1560	
.890			-.1400				
.897							
.905	-.1270			-.0930			-.1010
.900	-.0690						
.905			-.0690				
.990				.0120	-.0010	-.0190	
.953			-.0030				
.965	-.0290						
Y/BW X/CM	.299	.364	.427	.534	.673	.760	.667
.1000	-.4120	-.3660	-.2140	-.0670	-.3440	-.5940	-1.2540
.050				.2490	.3110	.3340	.3550
.161			.2500				
.166		-.0030					
.094	.0060						
.150				.1630	.2050	.2390	.1950
.177			.1220				
.229	.0360						
.246		.1340					
.250				.0590	.1320	.1570	.1270
.362	.0920						
.400				.0280	.0530		.0190
.402							
.497			-.0310				
.590							
.595							
.600							
.690							
.700							
.725							
.750							
.760							
.775							
.806							
.834							
.890							
.897							
.905							
.900							
.905							
.990							
.953							
.965							

MACH (1) = .600 BETAT (8) = 4.100



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TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 OCA + S3 + T3 LOWER WING

(RBM.11)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = .601 BETAT (9) = 6.150

Y/CM

.299 .364 .427 .534 .673 .760 .687

X/CM

-.1470

.634

-.1550

-.1470

-.1590 -.1500 -.1540

.850

-.1440

-.1440

-.0900 -.0970

.865

-.1200

-.0990

-.0720 -.0120 -.0190

.905

-.0600

-.0130

-.0130

.933

-.1640

-.1640

-.1640

MACH (1) = .600 BETAT (10) = 6.150

Y/CM

.299 .364 .427 .534 .673 .760 .687

X/CM

-.1470

.000

-.3930

-.2600

-.2730 -.4610 -.6810 -.14020

.050

-.2600

-.2600

-.2600

.061

-.1460

-.1460

-.1460

.094

-.0370

.1320

.1420 .1690 .1990 .1690

.150

-.0010

.1130

.0540 .1000 .1260 .1010

.246

.0690

.0690

.0300 .0300 -.0060

.362

.0120

-.0120

-.1040 -.1350

.402

.0220

-.1080

-.1390

.497

-.1310

-.1310

-.1310

.565

-.1310

-.1310

-.1310

.600

-.1310

-.1310

-.1310

.650

-.1310

-.1310

-.1310

.700

-.1310

-.1310

-.1310

.725

-.1310

-.1310

-.1310

.750

-.1310

-.1310

-.1310

.760

-.1310

-.1310

-.1310

.775

-.1310

-.1310

-.1310

.806

-.1360

-.1360

-.1360

.834

-.1360

-.1360

-.1360

.857

-.1360

-.1360

-.1360

.865

-.1360

-.1360

-.1360

.946

-.1020

-.1020

-.1020

.950

-.0560

-.0560

-.0560

-.0560

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = .620 BETAT (10) = 0.195

V/BW X/CW	.299	.364	.427	.534	.673	.760	.667
.965	-.1030						

MACH (2) = .940 BETAT (1) = -0.140

V/BW X/CW	.299	.364	.427	.534	.673	.760	.667
.000	-.3460	-.2620	.1960	.4170	.3120	.2390	-.1710
.030				.4770	.5000	.4930	.4990
.061			.5040				
.086		.2360					
.094	.1660			.3630	.3970	.3640	.3300
.150			.3640				
.177	.229	.2320					
.229		.3960					
.246				.2670	.2960	.2660	.2420
.250							
.362	.3740			.1600	.1660		.1230
.400			.1720				
.402				-.0550	-.1370		
.497	.3260						
.550			-.0460				-.1350
.565						-.2000	
.620							
.630							
.700	-.0010			-.3990	-.3680		
.725						-.3190	-.3360
.750							
.760			-.6560		-.5390	-.4450	
.775				-.5490			
.818							
.834	-.4730			-.6730	-.5970	-.5320	
.850			-.3670				
.857							
.865	-.4330			-.2690			-.4150
.944	-.2270						
.945			-.1720				
.950				-.1190	-.5160	-.6130	
.953							
.965	-.0560		-.0260				

MACH (2) = .903 BETAT (2) = -0.093

V/BW X/CW	.299	.364	.427	.534	.673	.760	.667
.140	-.4270	-.3490	.1660	.3660	.2690	.2240	-.1960
.150				.4310	.4620	.4630	.4710
.161			.4610				
.166							
.194	.1470	.2110					

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = .903 BETAT (3) = -4.160

V/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.590							
.565			-1.1060		-1.1050	-1.1760	
.620							-1.665
.650							
.700	-0.0710						
.725							
.750							
.760							
.775							
.806							
.834	-0.2440						
.850							
.857							
.865	-0.3640						
.900	-0.1750						
.905							
.930							
.953							
.965	-0.0320						

MACH (2) = .903 BETAT (4) = -2.020

V/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-0.4110	-0.3510	.1170	.3380	.2080	.1570	-0.2630
.050			.3780	.3390	.3760	.3650	.4130
.081		.1390					
.166		.1090					
.194							
.150			.2480	.2610	.2790	.2990	.2530
.177							
.229		.1500					
.246			.2780				
.250				.1540	.2020	.2110	.1710
.362	.2570			.0980	.0950		.0580
.414			.0580				
.402							
.497	.1830						
.550							
.565							
.600							
.640							
.744	-0.1000						
.725							
.750							
.760							
.775							



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TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 OEA + S3 + T5 LOWER WING

(RBH411)

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SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

WACH (2) = .901 BETAT (4) = -2.020

Y/CM	X/CM	Y/CM	X/CM	Y/CM	X/CM	Y/CM	X/CM	Y/CM	X/CM
.656	.299	.164	.427	.534	.673	.760	.687		
.634	-.2410		-.3300						
.650				-.4070	-.4930	-.5240			
.657			-.2880						
.865	-.3230			-.2300					
.900	-.1770			-.1660					
.905				-.0590	-.2330	-.5190			
.990									
.952				-.0130					
.965	-.0480								
		.299	.364	.427	.534	.673	.760	.687	
Y/CM	X/CM								
.000	-.3440	-.2710	.0340	.3200	.1500	.0800	-.3550		
.050				.2540	.3120	.3250	.3590		
.061		.0690		.3240					
.086									
.094	.0700			.1940	.2240	.2540	.2060		
.150			.1860						
.177		.1080							
.229									
.246			.2160		.0910	.1540	.1790	.1390	
.250									
.362	.1650				.0590	.0570		.0330	
.400									
.402		.0120							
.497	.0980								
.550				-.1430	-.2250				
.565			-.1520						
.640									
.650									
.714	-.1300								
.725				-.3610					
.750									
.760			-.3730						
.775				-.3580	-.4310				
.818			-.2890						
.834	-.2150								
.850				-.3280	-.4380	-.4650			
.857			-.2560						
.865	-.2190								
.9140	-.1270			-.1900					
.915				-.1510					
.950				-.0390	-.1610	-.3710			
.953				-.0110					

DEPENDENT VARIABLE

DEPENDENT VARIABLE

WING BETAT (5) = 2.180

V/BW	V/CW	.279	.314	.427	.534	.673	.780	.887
.965	-.0470							

WING BETAT (6) = 4.150

V/BW	V/CW	.299	.314	.427	.534	.673	.780	.887
.965	-.0470							

V/BW	V/CW	.299	.314	.427	.534	.673	.780	.887
.965	-.0470							

V/BW	V/CW	.299	.314	.427	.534	.673	.780	.887
.965	-.0470							

V/BW	V/CW	.299	.314	.427	.534	.673	.780	.887
.965	-.0470							

V/BW	V/CW	.299	.314	.427	.534	.673	.780	.887
.965	-.0470							

V/BW	V/CW	.299	.314	.427	.534	.673	.780	.887
.965	-.0470							

V/BW	V/CW	.299	.314	.427	.534	.673	.780	.887
.965	-.0470							

V/BW	V/CW	.299	.314	.427	.534	.673	.780	.887
.965	-.0470							

V/BW	V/CW	.299	.314	.427	.534	.673	.780	.887
.965	-.0470							

V/BW	V/CW	.299	.314	.427	.534	.673	.780	.887
.965	-.0470							

V/BW	V/CW	.299	.314	.427	.534	.673	.780	.887
.965	-.0470							

V/BW	V/CW	.299	.314	.427	.534	.673	.780	.887
.965	-.0470							

V/BW	V/CW	.299	.314	.427	.534	.673	.780	.887
.965	-.0470							

V/BW	V/CW	.299	.314	.427	.534	.673	.780	.887
.965	-.0470							

V/BW	V/CW	.299	.314	.427	.534	.673	.780	.887
.965	-.0470							

V/BW	V/CW	.299	.314	.427	.534	.673	.780	.887
.965	-.0470							

V/BW	V/CW	.299	.314	.427	.534	.673	.780	.887
.965	-.0470							

V/BW	V/CW	.299	.314	.427	.534	.673	.780	.887
.965	-.0470							

V/BW	V/CW	.299	.314	.427	.534	.673	.780	.887
.965	-.0470							

V/BW	V/CW	.299	.314	.427	.534	.673	.780	.887
.965	-.0470							

V/BW	V/CW	.299	.314	.427	.534	.673	.780	.887
.965	-.0470							

V/BW	V/CW	.299	.314	.427	.534	.673	.780	.887
.965	-.0470							

V/BW	V/CW	.299	.314	.427	.534	.673	.780	.887
.965	-.0470							

V/BW	V/CW	.299	.314	.427	.534	.673	.780	.887
.965	-.0470							

AMES 11-717 1A9 02A + S3 + T9 LOWER WING

(RBM, 1.1)

SERIAL (1) LOWER WING

$$45 - .2 = .900 \text{ BETAT } (8) = 8.260$$

DEPENDENT VARIABLE CP

[illegible]



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TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 OCA + S3 + T9 LOWER MINE

(R94L11)

SECTION (1) : LOWER MINE

DEPENDENT VARIABLE CP

WACH (3) = 1.105 BETAT (1) = -0.150

V/CM	.299	.364	.427	.534	.673	.760	.887
.808			-.2760				
.834	-.3010			-.3670	-.2990	-.2630	
.850							
.857			-.4440				
.863	-.4600			-.4610			-.1990
.900	-.6330			-.6190			
.905				-.5240	-.4410	-.3660	
.950							
.953			-.2140				
.965	-.1630						

WACH (3) = 1.098 BETAT (2) = -0.115

V/CM	.299	.364	.427	.534	.673	.760	.887
X/CM							
.000	-.3150	-.3540	.2370	.5800	.4690	.4360	.0660
.050			.5630	.5690	.6200	.5920	.6070
.061		.1690					
.066		.0470					
.094			.4590	.4610	.5000	.5100	.4600
.150							
.177		.1540					
.229			.4470				
.246				.3670	.4290	.4330	.3670
.290							
.362	.3960			.3250	.3280		.2940
.400							
.402			.2860				
.497	.3860						
.590			.1370	.0540			
.565			.1330				
.600						.0030	.0420
.650							
.700	.1710						
.725			-.1480			-.1330	
.750						-.1270	-.1630
.760							
.775				-.3060		-.2570	-.2140
.816							
.834	-.3220						
.850				-.4000	-.3120	-.2760	
.857							
.865	-.4930						
.910	-.3660			-.4730			-.2140
.915				-.6230			
.950				-.5330	-.4530	-.4020	
.953							
.955			-.2060				

SECTION (3) = 1.098

BETAT (2) = -6.110

DEPENDENT VARIABLE CP

Y/BW .299 .364 .427 .534 .673 .780 .887
X/CW -.1590

SECTION (3) = 1.102

Y/BW .299 .364 .427 .534 .673 .780 .887
X/CW -.4110 -.4600 .5000 .5450 .5860 .6270 .6680
.090 .081 .066 .084 .150 .177 .229 .246 .290 .362 .402 .497 .550 .565 .600 .690 .700 .725 .750 .760 .775 .808 .834 .850 .857 .865 .910 .915 .930 .953 .965

Y/BW .299 .364 .427 .534 .673 .780 .887
X/CW -.4110 -.4600 .5000 .5450 .5860 .6270 .6680
.090 .081 .066 .084 .150 .177 .229 .246 .290 .362 .402 .497 .550 .565 .600 .690 .700 .725 .750 .760 .775 .808 .834 .850 .857 .865 .910 .915 .930 .953 .965

Y/BW .299 .364 .427 .534 .673 .780 .887
X/CW -.4110 -.4600 .5000 .5450 .5860 .6270 .6680
.090 .081 .066 .084 .150 .177 .229 .246 .290 .362 .402 .497 .550 .565 .600 .690 .700 .725 .750 .760 .775 .808 .834 .850 .857 .865 .910 .915 .930 .953 .965

Y/BW .299 .364 .427 .534 .673 .780 .887
X/CW -.4110 -.4600 .5000 .5450 .5860 .6270 .6680
.090 .081 .066 .084 .150 .177 .229 .246 .290 .362 .402 .497 .550 .565 .600 .690 .700 .725 .750 .760 .775 .808 .834 .850 .857 .865 .910 .915 .930 .953 .965

Y/BW .299 .364 .427 .534 .673 .780 .887
X/CW -.4110 -.4600 .5000 .5450 .5860 .6270 .6680
.090 .081 .066 .084 .150 .177 .229 .246 .290 .362 .402 .497 .550 .565 .600 .690 .700 .725 .750 .760 .775 .808 .834 .850 .857 .865 .910 .915 .930 .953 .965

Y/BW .299 .364 .427 .534 .673 .780 .887
X/CW -.4110 -.4600 .5000 .5450 .5860 .6270 .6680
.090 .081 .066 .084 .150 .177 .229 .246 .290 .362 .402 .497 .550 .565 .600 .690 .700 .725 .750 .760 .775 .808 .834 .850 .857 .865 .910 .915 .930 .953 .965

Y/BW .299 .364 .427 .534 .673 .780 .887
X/CW -.4110 -.4600 .5000 .5450 .5860 .6270 .6680
.090 .081 .066 .084 .150 .177 .229 .246 .290 .362 .402 .497 .550 .565 .600 .690 .700 .725 .750 .760 .775 .808 .834 .850 .857 .865 .910 .915 .930 .953 .965

MACM (3) = 1.101

BETAT (4) = -2.000

Y/BW .299 .364 .427 .534 .673 .780 .887
X/CW -.4110 -.4600 .5000 .5450 .5860 .6270 .6680
.090 .081 .066 .084 .150 .177 .229 .246 .290 .362 .402 .497 .550 .565 .600 .690 .700 .725 .750 .760 .775 .808 .834 .850 .857 .865 .910 .915 .930 .953 .965



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TABULATED PRESSURE DATA - 1A9A

(R04L11)

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WES 11-707 1A9 OEA + S3 + T9 LOWER WING

SECTION (3) LOWER WING

DEPENDENT VARIABLE CP

MACH (3) = 1.103 BETAT (4) = -2.030

Y/BA X/CA	.299	.364	.427	.534	.673	.780	.867
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.190			.3530	.3840	.4100	.4440	.4080
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.177	.0800	.3560					
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.229				.2730	.3360	.3780	.3340
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.246							.2460
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.250	.2360			.2800	.2700		
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.362							
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.400			.2000				
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.402							
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.497	.2760			.0860	.0140		
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.530			.0710				
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.565							
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.600							
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.650							
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.700	.0800						
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.725							
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.730							
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.760							
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.775							
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.806							
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.834							
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.890							
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.857							
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.865							
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.900							
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.905							
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.920							
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.953							
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.965							
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.965							
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.965							
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MACH (3) = 1.103 BETAT (3) = 2.090

Y/BA X/CA	.299	.364	.427	.534	.673	.780	.867
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.000	-.5990	-.4040	.0340	.4230	.3920	.3680	-.0280
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.050			.3730	.3650	.4210	.4390	.4890
------	--	--	-------	-------	-------	-------	-------

.061							
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.066							
------	--	--	--	--	--	--	--

.094							
------	--	--	--	--	--	--	--

.150							
------	--	--	--	--	--	--	--

.177							
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.229	.0550		.2450	.2360	.3390	.3850	.3560
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.246		.2400		.1970	.2970	.3300	.2950
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.250							
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.362	.1630			.2100	.2190		.2160
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.400			.1300				
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.402							
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.497	.1510						
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TABULATED PRESSURE DATA - 1A9A

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WES 11-707 IAS OCA + SS + T9 LOWER WING

(R04L11)

SECTION (3) LOWER WING

DEPENDENT VARIABLE C_p

MACH (3) = 1.103 BETAT (6) = 4.130

MACH (3) = 1.100 BETAT (7) = 6.230

X/CW	Y/CW	.299	.364	.427	.534	.673	.790	.907
.608				-.3950				
.634		-.3700			-.4830	-.3960	-.3080	
.650								
.657				-.3960				
.665		-.2840			-.5330			-.3110
.900		-.2080		-.3100				
.905					-.1970	-.5270	-.4670	
.950								
.953				-.1160				
.965		-.1310						
V/BW	V/CW	.299	.364	.427	.534	.673	.790	.907
.000		-.6230	-.3010	-.1060	.2460	.2970	.2870	-.1110
.050					.3190	.3560	.3620	.4410
.081				.3100				
.086			-.0080					
.094		-.2100			.2900	.2830	.3350	.3110
.150				.2160				
.177								
.229		.0350	.1690		.1530	.2360	.2800	.2330
.246								
.250								
.362		.1280			.1460	.1640		.1940
.400				.0700				
.402								
.497		.1080			-.0650	-.0720		
.550				-.0390				-.0790
.565								
.610								
.650								
.714		-.0760			-.2660	-.2370		
.725								
.750								
.790				-.4060	-.3610	-.3250		
.775								
.818				-.2870				
.834		-.2160			-.4040	-.4070	-.4120	
.850								
.857				-.3170				
.865		-.2330						
.911		-.2160			-.3960			-.3270
.915				-.3610				
.950					-.3690	-.3210	-.4970	
.953				-.2360				

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TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 O2A + S3 + T9 LOWER WING

(R09L11)

PAGE 1372

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (3) = 1.100 BETAT (7) = 0.230

V/WM X/CM	.299	.364	.427	.534	.673	.760	.887
.965	-.1840						

MACH (3) = 1.100 BETAT (8) = 0.300

V/WM X/CM	.299	.364	.427	.534	.673	.760	.887
.000	-.6800	-.2770	-.1610	.1290	.1970	.2260	-.1320
.050				.2680	.3090	.3500	.4250
.081							
.086							
.094							
.130							
.177							
.229							
.246							
.290							
.362							
.400							
.402							
.497							
.550							
.565							
.620							
.690							
.700							
.725							
.750							
.760							
.775							
.808							
.834							
.850							
.857							
.865							
.870							
.905							
.950							
.953							
.965							

MACH (4) = 1.245 BETAT (1) = -0.110

V/WM X/CM	.299	.364	.427	.534	.673	.760	.887
.040	-.1220	-.1520	.3950	.7210	.6370	.6160	.3491
.050				.6160	.6370	.6220	.6741
.061							
.086							
.094							
.130							
.177							
.229							
.246							
.290							
.362							
.400							
.402							
.497							
.550							
.565							
.620							
.690							
.700							
.725							
.750							
.760							
.775							
.808							
.834							
.850							
.857							
.865							
.870							
.905							
.950							
.953							
.965							



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TABULATED PRESSURE DATA - 1A9A

(RBM4.11)

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APCS 11-707 1A9 OCA + S3 + T9 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACM (4) = 1.245 BETAT (1) = -0.110

V/BW X/CM	.299	.364	.427	.534	.675	.760	.667
.190			.5060				
.177	.1460						
.229		.4980					
.246				.4300	.4190	.5190	.4760
.290	.4290			.4200	.4170		.3970
.362							
.400			.3670				
.402	.4560			.2620	.1190		
.497							
.550			.2470				
.565						.1160	.1410
.600							
.650					.1090		
.700	.2690			.0040			
.725						.0090	.0370
.750							
.760			.1160				
.775				.0960	.0660		
.806			.1490				
.834	.1490						
.890				.2390	.1690	.1590	
.897			.2770				
.865	.3190			.3020			.0940
.920	.4800						
.905			.4060				
.990				.3990	.2900	.2460	
.955							
.965	.3620		.4260				
V/BW X/CM	.299	.364	.427	.534	.675	.760	.667
.1000	.1660	.2490	.3160	.6620	.6140	.5790	.3160
.150			.5960	.5720	.6110	.5960	.6550
.161		.1060					
.166		.0810					
.194							
.190			.4770				
.177		.1070					
.229				.4440			
.246					.4040	.3930	.5160
.250							.4620
.362	.3790				.4090	.4140	.3660
.400							
.402			.3400				
.497	.4130						

MACM (4) = 1.245 BETAT (2) = -0.070

DEPENDENT VARIABLE CP

	Y/B/A	X/CW
662	.384	.0901
127	.000	.0252

	V/BW	V/CW
.299	.364	.427
.534	.673	.760
.867	.895	.940

[illegible]



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TABULATED PRESSURE DATA - 1A9A

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AMES 11-707 IAS OCA + S3 + T9 LOWER WING

(RBM4.111)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (4) = 1.249 BETAT (3) = -4.040

Y/BW X/CW	.299	.364	.427	.534	.673	.765	.887
.608			-.1760				
.634	-.1840						
.690			-.2990	-.2520	-.1810	-.1760	
.657							-.1270
.665	-.3480			-.3800			
.900	-.4180						
.905			-.4280				
.950				-.3770	-.3100	-.2690	
.953			-.4430				
.965	-.2400						
.299	.364	.427	.534	.673	.765	.887	
.000	-.3640	-.3730	.1990	.5800	.9820	.5050	.2330
.090			.4990	.5370	.5310	.6070	
.081		.0330	.3210				
.086							
.094	.0080			.4380	.4570	.4660	.4750
.150			.4020				
.177							
.229	.0180						
.246		.3910		.3130	.3800	.4610	.4220
.250							
.362	.2770			.3550	.3660		.3500
.400			.2570				
.402							
.497	.3270						
.550				.2090	.0790		
.565		.1730					.0660
.620						.0760	
.650				-.0360			
.700	.1900			-.0360		-.0360	-.0740
.725							
.750			-.1170				
.760				-.1360	-.1080		
.775			-.1980				
.808							
.834	-.2110			-.2630	-.1980	-.1920	
.850			-.3140				
.857							
.865	-.3680			-.3310			-.1510
.900	-.4560			-.4390			
.905				-.3690	-.3250	-.2810	
.950							
.953			-.4520				

AMES 11-707 1A9 OEA + S3 + T9 LOWER WING

(RBM4.11)

SECTION (1) LOWER WING

MACH (4) = 1.246 BETAT (4) = -2.120

MACH (4) = 1.246 BETAT (5) = 2.100

DEPENDENT VARIABLE CP

	V/BW X/CM	.299	.364	.427	.534	.673	.763	.887
	.965	-.2310						
V/BW	.299	.364	.427	.534	.673	.763	.887	
X/CM	.000	-.4150	-.3950	.1020	.4800	.4540	.4490	.1930
	.090			.3910	.3910	.4300	.4270	.5360
	.081		.0170					
	.086	-.0490			.3190	.3490	.4040	.4140
	.094			.8770				
	.150							
	.229	.0080						
	.246		.2180		.2030	.2220	.4020	.3650
	.290							
	.362	.1630			.2650	.2900		.3010
	.400			.1510				
	.402				.1100	.1020		
	.497	.1680		.7680				.0490
	.590							
	.565							
	.610						.0210	
	.690							
	.710	.1020						
	.725							
	.750							
	.760							
	.775							
	.808							
	.834	-.2690						
	.850							
	.857							
	.865	-.3620						
	.910	-.1400						
	.915							
	.950							
	.953							
	.965	-.1860						
V/BW	.299	.364	.427	.534	.673	.763	.887	
X/CM	.140	-.4290	-.3900	-.0060	.4270	.4050	.4420	.1970
	.150			.3110	.3260	.3970	.4510	.5360
	.181							
	.186		.0300					
	.194	-.1940						

MACH (4) = 1.247 BETAT (6) = 4.130

SECTION (4) = 1.246 BETAT (7) = 6.150

DEPENDENT VARIABLE CP

MACH (4) = 1.246 BETAT (7) = 6.150

V/BM
X/CU

.299 .364 .427 .534 .673 .780 .887
.0730 -.0270 .0140

.550

.1380

.565

-.0150

.630

-.1260

.700

-.1410

-.1220

.725

-.1220

.750

-.2660

-.2340

-.2010

.775

-.2600

-.3450

-.2770

.800

-.2640

-.3450

-.2670

.825

-.3040

-.3960

-.2070

.850

-.3960

-.4030

-.3940

.875

-.2630

-.4030

-.3540

.900

-.2630

-.4030

-.3540

.925

-.2630

-.4030

-.3540

.950

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.975

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.990

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TABULATED PRESSURE DATA - 1A9A

(RBM.11)

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AMES 11-707 1A9 OEA + S3 + T9 LOWER MINE

SECTION (1) LOWER MINE

DEPENDENT VARIABLE CP

WACH (4) = 1.247 DECAT (8) = 8.250

V/BU N/OU	.299	.364	.427	.534	.673	.760	.867
.906			-.2400				
.834	-.1750			-.3510	-.2990	-.2670	
.830							
.857			-.2580				
.865	-.1750			-.3570			-.2300
.900	-.1690						
.905			-.2580				
.950				-.3550	-.4080	-.3700	
.953			-.2150				
.965	-.1530						

AMES 11-707 IAG OEA + S3 + T9 LOWER WING

(RBM132) (27 APR 73)

REFERENCE DATA

SREF - 2.4210 SQ.FT. XREF = 28.5300 INCHES
 LREF - 39.8490 INCHES YREF = .0000 INCHES
 BREF - 39.8490 INCHES ZREF = .0000 INCHES
 SCALF - .0300 SCALE

ALPHAT = -9.000 ORDRINC = .500
 RUDDER = -5.000 ELEONH = .000
 RUDDLR = .000

PARAMETRIC DATA

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACM (1) = 1.101 BETAT (1) = -0.170

Y/BM X/CM	.299	.364	.427	.534	.673	.780	.867
.000	-.0830	-.2460	.4900	.6810	.6260	.5840	.5400
.050			.1560	-.1070	-.2470	-.6740	-.5170
.101		-.0810					
.150	.094	-.1610		.1360	-.1100	-.1610	-.4160
.177	.177	-.1140	.1560				
.229	.229	-.1140					
.246	.246	.2360		.0250	-.0750	-.0410	-.3060
.290	.290	.2860		.0160	-.0160		.0040
.362	.410		.0140				
.402	.497	.2910		-.1110	-.2170		
.590	.590		-.1060				
.565	.600						
.600	.650	-.1040		-.3440		-.2800	-.1660
.700	.725		-.3230				
.750	.750						
.760	.775		-.3910	-.3760	-.4230		
.806	.834	-.3570	-.3990				
.850	.857			-.4920	-.4650	-.4930	
.857	.865	-.5720	-.5620				
.946	.905	-.5470	-.2960	-.5620			-.3460
.950	.953			-.3060	-.4670	-.2910	
.965		-.2320	-.2590				
Y/BM X/CM	.299	.364	.427	.534	.673	.780	.867
.140	-.1730	-.3000	.4140	.5090	.5280	.4680	.4210
.160			.1210	-.1940	-.3620	-.6680	-.6110
.161		-.1130					
.166							
.194	-.2190						

MACM (1) = 1.100 BETAT (2) = -4.070



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TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 OEA + S3 + T9 LOWER WING

(MODEL 12)

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SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = 1.100 BETAT (2) = -4.070

V/BW X/CM	.299	.364	.427	.534	.673	.780	.887
.150			.0890				
.177	-.1310						
.229		.1690					
.246				-.0390	-.1120	-.1520	-.4350
.250							
.362	.2440			-.0630	-.0960		-.0320
.400			-.0670				
.402							
.497	.2090			-.1020	-.2020		
.550			-.1640				
.565							-.2160
.600					-.3120		
.650				-.4140	-.4040		
.700	-.2040					-.4060	-.4090
.725							
.730			-.4420				
.760			-.4760	-.4620			
.775							
.806		-.4260					
.834	-.3610			-.5410	-.5500	-.5430	
.850			-.5530				
.857							
.865	-.5940			-.2560			-.3660
.900	-.3910						
.905			-.2460				
.920			-.2270	-.2660	-.4390		
.953			-.2470				
.965	-.1660						
V/BW X/CM	.299	.364	.427	.534	.673	.780	.887
.000							
.000	-.2690	-.3610	.3360	.4910	.4120	.3260	.2790
.050				-.2290	-.5070	-.7570	-.7150
.061			.0300				
.066							
.094	-.2110			-.1660	-.2390	-.4170	-.6460
.150							
.177			.1260				
.229	-.0110						
.246		.1460					
.250				-.1180	-.1730	-.2640	-.5750
.362	.1710						
.400				-.1720	-.1750		-.0570
.402							
.497	.1110						

MACH (1) = 1.097 BETAT (3) = .020



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TABULATED PRESSURE DATA - 1A9A

WES 11-707 1A9 OEA + S3 + T9 LOWER WING

(REWL12)

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SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = 1.059 BETAT (4) = 4.160

V/BW X/CM	.299	.364	.427	.534	.673	.780	.887
.608			-.4860				
.834	-.3780			-.5160	-.5540	-.5680	
.850			-.4410				
.857				-.3140			-.4440
.865	-.3120						
.900	-.2960		-.3920	-.2867	-.2900	-.4230	
.905							
.930			-.2090				
.953							
.965	-.2220						

MACH (1) = 1.105 BETAT (5) = 8.300

V/BW X/CM	.299	.364	.427	.534	.673	.780	.887
.000	-.4730	-.3940	.2840	.3600	.2110	.0640	-.0190
.050			.0910	-.1700	-.5670	-.8290	-.7190
.061		.0320					
.066							
.084	-.2960			-.1090	.0030	-.4390	-.7630
.150			.0060				
.177		-.0370					
.229			.0910				
.246				-.1560	-.2470	-.4640	-.7280
.250							
.362	.0700			-.2090	-.2260		-.0370
.403							
.402			-.2060				
.497	.0410						
.550				-.2830	-.3520		
.565			-.2810				
.600						-.3160	
.630							
.700	-.2490			-.4520	-.4710	-.3820	
.725							
.750			-.4810			-.4610	-.4340
.760				-.5100	-.5270		
.775							
.846			-.3690				
.834	-.3000			-.5360	-.5840	-.5750	
.850			-.3640				
.857							
.865	-.2990			-.4790			-.4610
.900	-.2060		-.3370				
.905				-.2260	-.2960	-.3190	
.950							
.953			-.3230				

AMES 11-707 1A9 O2A + S3 + T9 LOWER WING

(RBN4.12)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = 1.105 BETAT (1) = 0.300

V/CM	.299	.364	.427	.534	.673	.760	.887
X/CM	.965	-.2780					

MACH (2) = 1.250 BETAT (1) = -0.120

V/CM	.299	.364	.427	.534	.673	.760	.887
X/CM	.000	-.0020	-.0780	.2840	.6680	.6340	.6010
	.090			-.3770	-.4120	-.3040	-.2680
	.081						
	.086						
	.094						
	.130						
	.177						
	.229						
	.246						
	.250						
	.382						
	.400						
	.402						
	.497						
	.530						
	.565						
	.600						
	.630						
	.700						
	.725						
	.730						
	.760						
	.775						
	.806						
	.834						
	.850						
	.857						
	.865						
	.910						
	.905						
	.950						
	.953						
	.965						

MACH (2) = 1.251 BETAT (2) = -0.050

V/CM	.299	.364	.427	.534	.673	.760	.887
X/CM	.000	-.0780	-.1390	.1420	.5420	.5210	.4910
	.090			-.4770	-.4220	-.3760	-.3730
	.081						
	.086						
	.094						

SECTION (1) LOWER WING

DEPENDENT VARIABLE CPE

MACH (2) = 1.246 BETAT (3) = .020

MACD (2) = 1.245 BETA1 (4) = 4.130

1/84	.299	.364	.427	.534	.673	.760	.887
1/CM							
.590							
.595							
.600							
.650							
.700							
.725							
.750							
.760							
.775							
.806							
.834							
.850							
.857							
.865							
.900							
.905							
.950							
.953							
.965							
1/84	.299	.364	.427	.534	.673	.760	.887
1/CM							
.000							
.050							
.061							
.106							
.194							
.190							
.177							
.229							
.246							
.250							
.362							
.414							
.412							
.497							
.590							
.565							
.614							
.650							
.710							
.725							
.750							
.760							
.775							

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TABULATED PRESSURE DATA - 1A9A

(RBNL12)

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AMES 11-707 1A9 OZA + S3 + T9 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = 1.245 BETAT (4) = 4.130

Y/BW
X/CM

.808	.299	.364	.427	.534	.673	.780	.887
.834	-.3090		-.3740		-.4730	-.4830	-.4440
.850							
.857							
.885	-.2910						
.900	-.2510						
.905							
.950							
.953							
.965	-.2150						

MACH (2) = 1.247 BETAT (5) = 6.130

Y/BW
X/CM

.000	.299	.364	.427	.534	.673	.780	.887
.080	-.3670	-.2700	.1460	.4010	.2790	.1770	.1370
.081							
.086							
.094	-.2280	-.2110	.1100	-.2460	-.3160	-.6060	-.5590
.150							
.177							
.229	-.2250		.0040	-.1230	-.1080	-.3760	-.5620
.246		.1560					
.290							
.362	.0050						
.400							
.402							
.497	.0030						
.590							
.565							
.620							
.690							
.710	-.2220						
.725							
.750							
.780							
.775							
.816							
.834	-.2680						
.850							
.857							
.865	-.2670						
.910	-.2650						
.915							
.950							
.953							

.808	.299	.364	.427	.534	.673	.780	.887
.834	-.3090		-.3740		-.4730	-.4830	-.4440
.850							
.857							
.885	-.2910						
.900	-.2510						
.905							
.950							
.953							
.965	-.2150						

.000	.299	.364	.427	.534	.673	.780	.887
.080	-.3670	-.2700	.1460	.4010	.2790	.1770	.1370
.081							
.086							
.094	-.2280	-.2110	.1100	-.2460	-.3160	-.6060	-.5590
.150							
.177							
.229	-.2250		.0040	-.1230	-.1080	-.3760	-.5620
.246		.1560					
.290							
.362	.0050						
.400							
.402							
.497	.0030						
.590							
.565							
.620							
.690							
.710	-.2220						
.725							
.750							
.780							
.775							
.816							
.834	-.2680						
.850							
.857							
.865	-.2670						
.910	-.2650						
.915							
.950							
.953							

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TABULATED PRESSURE DATA - 1A9A

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AMES 11-T07 1A9 02A + S3 : 79 LOWER WING

(RBNL12)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

	Y/CM	.299	.364	.427	.534	.673	.760	.887
MACH (5) = 1.247	X/CM							
		.963	-.2380					

REFERENCE DATA

WPT =	2.4210	INCHES	WHP =	26.5300	INCHES
LWT =	59.8490	INCHES	YHP =	.0000	INCHES
WPT =	59.8490	INCHES	ZHP =	.0000	INCHES
SCALE =	.0300	SCALE			

ALPHAT =	-6.000	ORBINC =	.500
RUDDER =	-5.000	ELEVON =	.000
RUOFLR =	.000		

DEPENDENT VARIABLE	CP
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SECTION (1) LOWER WING

$$\text{MAC} (1) = 1.102 \text{ BETAT} (1) = -8.180$$

Y/8M	.299	.364	.427	.534	.675	.780	.800
X/CM	-.1060	-.1940	.5240	.7220	.6670	.6370	.6120
.090				-.0570	-.2280	-.5790	-.4080
.096		-.0490	.2070				
.094	-.1780			.1680	.0410	-.1580	-.2700
.190			.1970				
.177	-.0630	.2590					
.246				.0540	-.0120	.0130	-.1150
.250				.0550	.0240		.0680
.362	.3100		.0400				
.402							
.497	.3090			-.0790	-.2100		-.1900
.550			-.0860			-.2450	
.565							
.600				-.2710	-.3240	-.3460	-.5780
.680	-.0820						
.700							
.725							
.750							
.760							
.775							
.808							
.834	-.3420						
.890							
.897							
.965	-.5630						-.3530
.900	-.5290						
.905							
.950							
.953							
.965	-.2510						
Y/8M	.299	.364	.427	.534	.675	.780	.807
X/CM	-.1060	-.2130	.4510	.6410	.9730	.5410	.5220
.090				-.1060	-.2930	-.6230	-.4860
.096			.1680				
.094							
.190							
.177							
.246							
.250							
.362							
.402							
.497							
.550							
.565							
.600							
.680							
.700							
.725							
.750							
.760							
.775							
.808							
.834							
.890							
.897							
.965							
.900							
.905							
.950							
.953							
.965							
Y/8M	.299	.364	.427	.534	.675	.780	.807
X/CM	-.1060	-.2130	.4510	.6410	.9730	.5410	.5220
.090				-.1060	-.2930	-.6230	-.4860
.096			.1680				
.094							
.190							
.177							
.246							
.250							
.362							
.402							
.497							
.550							
.565							
.600							
.680							
.700							
.725							
.750							
.760							
.775							
.808							
.834							
.890							

mach 1.1 = 1.098 BETAT (2) = -4.000

YBM	.269	.364	.427	.534	.675	.810
X/CW			.4510	.6410	.8730	.5410
		-.1860	-.2130	-.1060	-.2930	-.6230
.050						.3220
.161						-.4080
.086						
		-.0500	.1680			
	-.2070					

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TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 OCA + S3 + T9 LOWER WING

(RBM13)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = 1.098 BETAT (2) = -4.080

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.150			.1290		.0870	-.0090	-.2050
.177							
.229	-.1350	.2110					
.246							
.250							
.362	.2560						
.400							
.402							
.497	.2200						
.550							
.565							
.600							
.650							
.700	-.1830						
.725							
.750							
.760							
.775							
.808							
.834	-.3680						
.850							
.897							
.965	-.5970						
.900	-.3450						
.905							
.950							
.953							
.965	-.1850						

MACH (1) = 1.101 BETAT (3) = .020

Y/BW X/CW	.229	.364	.427	.534	.673	.780	.887
.100	-.2790	-.2560	.3920	.5530	.4660	.4220	.4170
.050							
.181							
.186							
.194	-.2140						
.190							
.177							
.229	.0480						
.246							
.250							
.362	.1910						
.410							
.412							
.497	.1210						

.1210

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TABULATED PRESSURE DATA - 1A9A

(RBNL13)

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AWE5 11-707 1A9 OEA + S3 + T9 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = 1.101 BETAT (3) = .020

V/BM W/CW	.299	.364	.427	.534	.673	.785	.887
.550			-.2440	-.2130	-.3210		-.2640
.565						-.3210	
.600					-.4220		
.700	-.2600			-.4100		-.4150	-.4300
.725							
.750			-.4710		-.4440	-.4960	
.760							
.775			-.4560				
.808					-.5550	-.5420	-.5500
.834	-.4270						
.850			-.5940				
.857					-.2090		-.3980
.865	-.3620						
.900	-.3490		-.2510		-.1930	-.2710	-.4130
.935							
.950			-.1930				
.953							
.965	-.1910						
V/BM W/CW	.899	.364	.427	.534	.673	.785	.887
.000	-.3930	-.2760	.3120	.4690	.3790	.2970	.3030
.050			.1080	-.1610	-.5060	-.7250	-.6460
.061		.0680					
.066							
.094	-.2530			-.1190	-.0740	-.3360	-.5310
.150			-.0320				
.177	.0520						
.229		.1280					
.246				-.1420	-.1820	-.2310	-.5020
.250							
.362	.1460			-.1710	-.1650		.0740
.400			-.1060				
.402	-.0610						
.497				-.2360	-.3190		
.550			-.2330				-.2370
.565							
.600						-.3310	
.650					-.3990		
.700	-.2180			-.3630			
.725						-.4110	-.4330
.750							
.760			-.5020				
.775			-.4780	-.4630			

AGES 11-717 1A9 OZA + S3 + T9 LOWER WING

(RBM.13)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = 1.537 BETAT (4) = 4.145

Y/BW X/CM	.299	.364	.427	.534	.673	.780	.887
.808			-.4650				
.834	-.3340			-.5690	-.5270	-.5290	
.850			-.3890				
.857				-.3190			-.4160
.863	-.2980						
.900	-.2770			-.2390	-.3400	-.5690	
.905							
.930			-.1730				
.953							
.963	-.2200						

MACH (1) = 1.102 BETAT (5) = 8.290

Y/BW X/CM	.299	.364	.427	.534	.673	.780	.887
.000	-.3430	-.2130	.3180	.4320	.3000	.1990	.1870
.050			.1300	-.1190	-.3730	-.7590	-.5830
.081		.0590					
.086							
.094	-.2730			-.0610	-.0310	-.3220	-.6060
.130			.0370				
.177	-.0220						
.229		.1110					
.246				-.1240	-.2140	-.2420	-.4330
.250							.0300
.362	.0770			-.1690	-.1730		
.400			-.1880				
.412							
.497	.0540			-.2510	-.3180		
.530							
.565			-.2660				-.2920
.640						-.3500	
.650							
.714	-.2380			-.4130			
.725						-.4230	-.4310
.750			-.4520				
.760				-.4840	-.4860		
.775			-.3460				
.848							
.834	-.2730			-.5140	-.5450	-.5380	
.850							
.857			-.3390				
	-.2840			-.4510			-.4230
	-.2730						
.945			-.3230		-.2320	-.2770	-.4620
.950							
.953			-.2370				

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TABULATED PRESSURE DATA - 1A9A

(R094.13)

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AMES 11-707 1A9 02A + S3 + T9 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = 1.102 BETAT (1) = 0.290

Y/BW	.299	.364	.427	.534	.673	.760	.867
X/CW	.965	-.2630					

MACH (2) = 1.245 BETAT (1) = -0.130

Y/BW	.299	.364	.427	.534	.673	.760	.867
X/CW	.000	-.0010	-.0160	.3140	.6990	.6940	.6950
	.050			.1630	-.2760	-.0650	-.3960
	.061						-.3140
	.066		-.0670				
	.094						
	.130						
	.177			.2050			
	.229	-.0490					
	.246		.0020				
	.250			.1700	.0920	.0790	-.0520
	.362	-.0520		.1350	.1130		.1630
	.403			.1440			
	.402						
	.497	.3570					
	.550			.0240	-.0550		
	.565			.0500			-.0770
	.600						
	.690						
	.700	.0330					
	.725			-.1600			
	.750						
	.762			-.2060			
	.775			-.2300	-.2730		
	.806			-.2230			
	.834	-.1740					
	.850			-.3150	-.3350	-.3420	
	.857			-.3570			
	.865	-.3690					
	.930	-.4760					
	.905			-.4940			
	.951			-.4470	-.4020	-.4010	
	.953			-.4930			
	.965	-.4050					

MACH (2) = 1.231 BETAT (2) = -4.060

Y/BW	.299	.364	.427	.534	.673	.760	.867
X/CW	.000	-.0750	-.1140	.1660			
	.050			.1060	.6080	.5680	.5770
	.061			-.3470	-.2160	-.4450	-.3650
	.066						
	.094						
	.130						
	.177						
	.229						
	.246						
	.250						
	.362						
	.403						
	.402						
	.497						
	.550						
	.565						
	.600						
	.690						
	.700						
	.725						
	.750						
	.762						
	.775						
	.806						
	.834						
	.850						
	.857						
	.865						
	.930						
	.905						
	.951						
	.953						
	.965						

AMES 11-707 1A9 OEA + S3 + T9 LOWER WING

SECTION (LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = 1.251 BETAT (2) = -4.060

1784	1785	1786	1787	1788	1789	1790	1791	1792	1793	1794	1795	1796	1797	1798	1799	1800	1801	1802	1803	1804	1805	1806	1807	1808	1809	1810	1811	1812	1813	1814	1815	1816	1817	1818	1819	1820	1821	1822	1823	1824	1825	1826	1827	1828	1829	1830	1831	1832	1833	1834	1835	1836	1837	1838	1839	1840	1841	1842	1843	1844	1845	1846	1847	1848	1849	1850	1851	1852	1853	1854	1855	1856	1857	1858	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879	1880	1881	1882	1883	1884	1885	1886	1887	1888	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237</
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DATE FEB 73

TABULATED PRESSURE DATA - 1A9A

(R04L13)

PAGE 1995

AMES 11-707 1A9 OEA + S3 + T9 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = 1.246 BETAT (3) = .020

Y/B4 X/C4	.299	.364	.427	.534	.673	.783	.867
.590			-.1290		-.1360	-.1670	-.1770
.565						-.2260	
.600					-.3060		
.690		-.1430		-.3000		-.3130	-.3670
.700							
.725							
.750							
.760			-.3370		-.3660	-.3660	
.775					-.3160		
.806							
.834		-.2650		-.4330	-.4600	-.4620	
.850			-.4320				
.857							
.865	-.4370			-.4500			-.3420
.900	-.3720		-.5530				
.905				-.5110	-.5030	-.4630	
.950			-.3620				
.953							
.965	-.3580						
Y/B4 X/C4	.299	.364	.427	.534	.673	.780	.867
.000	-.2820	-.1680	.1920	.4580	.3680	.3480	.3440
.050			.0620	-.2130	-.4100	-.5530	-.4690
.061		-.2780					
.066							
.094	-.1960			-.0670	-.0660	-.2410	-.4230
.150			.0400				
.177							
.229	-.2080						
.246		.1140					
.290				-.1330	-.1550	-.1930	-.3250
.362	.0740			-.0670	-.0660		.0540
.400							
.402			-.0610				
.497	-.0080						
.530				-.1940	-.2360		
.565			-.1640				-.1790
.600						-.2400	
.650							
.700	-.1960				-.3140		
.725				-.3290			
.750						-.3170	-.3310
.760							
.775				-.3630	-.3760		

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TABULATED PRESSURE DATA - 1A9A

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APES 11-707 1A9 OEA + S3 + T9 LOWER WING

(R09L13)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = 1.245 BETAT (4) = 4.120

V/BW W/CW	.299	.364	.427	.534	.673	.760	.867
.608			-.3640				
.634	-.3190			-.4490	-.4200	-.4070	
.650							
.657			-.4790				
.665	-.3000			-.4610			-.3420
.900	-.2490						
.905			-.4390				
.920			-.2590	-.4970	-.4660		
.953			-.2570				
.965	-.2050						

MACH (2) = 1.247 BETAT (5) = 6.250

V/BW W/CW	.299	.364	.427	.534	.673	.760	.867
.000	-.4300	-.2600	.2650	.4330	.3240	.2490	.2310
.050				-.1940	-.4120	-.5660	-.4690
.061			.1170				
.066		-.1480					
.094	-.2360			-.0820	.0090	-.2790	-.4770
.150			.0140				
.177		-.2430					
.229		.1430		-.1150	-.1510	-.2080	-.3660
.246							
.250							
.362	.0230			-.1190	-.1190		.0300
.400			-.1370				
.402							
.497	-.0400			-.2040	-.2400		
.550							
.565			-.2130				-.2400
.600						-.2940	
.650							
.700	-.2140			-.3590	-.3660		
.725						-.3630	-.3650
.750							
.760			-.4240				
.775				-.4090	-.4290		
.806			-.4160				
.834	-.2660			-.4930	-.4590	-.4550	
.850							
.857			-.4260				
.865	-.2990						
.900	-.2670			-.5370			-.3770
.905							
.920			-.3690				
.950				-.3720	-.5260	-.5160	
.955			-.2640				



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TABULATED PRESSURE DATA - 1494

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AREA 11-707 1A9 OCA + S3 + T9 LOWER WING

(RDNL13)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

Y/CW (2) = 1.247 BETAT (5) = 0.230

Y/CW	.299	.364	.427	.534	.673	.760	.867
X/CW	.905	-.2210					



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TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 OZA + S3 + T9 LOWER WING

(000414)

PAGE 1399

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

WACH (1) = 1.101 BETAT (2) = -4.080

V/B4 X/C4	.299	.364	.427	.534	.673	.780	.887
.150			.1740	.1480	.0610	-.1170	-.0840
.177	-.1360						
.229		.2470					
.246				.0240	-.0210	.0160	.0130
.290							
.362	.2790			.0120	.0040		.0410
.400							
.402							
.497	.2410						
.590				-.1040	-.2140		
.565							
.600							
.680							
.700	-.1440			-.3160	-.3460		
.723							
.790							
.760							
.775							
.606							
.634	-.3740						
.690							
.657							
.665	-.8090						
.800	-.2790						
.905							
.930							
.953							
.965	-.1640						
V/B4 X/C4	.299	.364	.427	.534	.673	.780	.887
.140	-.2930	-.1790	.4030	.5860	.5070	.4670	.4520
.050			.1630	-.1620	-.2550	-.3060	-.4210
.061							
.086							
.194	-.1060						
.150							
.177							
.229	.0530			.0510	.0240	-.1660	-.2410
.246							
.290							
.362	.1990						
.400							
.402							
.497							
.590							
.565							
.600							
.680							
.700							
.723							
.790							
.760							
.775							
.606							
.634							
.690							
.657							
.665							
.800							
.905							
.930							
.953							
.965							

SECTION (1) LOWER WING

MACH (1) = 1.098 BETAT (3) = .080

DEPENDENT VARIABLE CP

V/BW X/CM	.299	.364	.427	.534	.675	.760	.887
.550							
.565			-.2070		-.1760	-.2760	
.600							-.2530
.650						-.3770	
.700	-.2460			-.3520		-.3670	-.4100
.725							
.750			-.4490		-.4110	-.4530	
.760							
.775			-.4470				
.806							
.834	-.4290			-.3230	-.4760	-.5260	
.850			-.5130				
.857							
.865	-.4210			-.2260			-.3660
.900	-.3220						
.905			-.2260		-.1910	-.3660	-.5470
.920							
.933			-.2000				
.965	-.1860						
V/BW X/CM	.299	.364	.427	.534	.675	.760	.887
.000	-.4360	-.2040	.3660	.5130	.4300	.3960	.3520
.050			.1560	-.1120	-.3500	-.6050	-.4330
.061		.0660					
.066	-.2230			-.0670	.0000	-.1940	-.3400
.094			.0140				
.150							
.177							
.229	.0630	.1560					
.246				-.0760	-.1370	-.1440	-.1730
.250							
.362	.1590			-.1340	-.1130		.0340
.410							
.412			-.1610				
.497	-.0390			-.1790	-.2360		
.550							
.565			-.1730				-.2430
.620							
.650						-.2860	
.700	-.1060			-.3500		-.3570	
.725							
.750						-.3760	-.4130
.760			-.4730		-.4410	-.4230	
.775							

MACH (1) = 1.105 BETAT (4) = 4.150

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TABULATED PRESSURE DATA - 1A9A

PAGE 1001

AWES 11-707 1A9 O2A + S3 + T9 LOWER MINE

(RPM1.14)

SECTION (1) LOWER MINE

DEPENDENT VARIABLE CP

WACH (1) = 1.103 BETAT (4) = 4.130

V/BM X/CM	.299	.364	.427	.534	.673	.780	.887
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.808			-.4820				
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.834	-.3370						
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.890				-.5960	-.4790	-.4980	
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.857			-.4070				
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.865	-.2870						-.3620
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.910	-.2660			-.3910			
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.905			-.3760				
------	--	--	--------	--	--	--	--

.950				-.2280	-.4410	-.5680	
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.955			-.2030				
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.965	-.2020						
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WACH (1) = 1.099 BETAT (5) = 0.280

V/BM X/CM	.299	.364	.427	.534	.673	.780	.887
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.000	-.5990	-.1290	.3200	.4790	.3700	.3080	.2500
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.050			.1730	-.0560	-.1930	-.6160	-.4390
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.081		.0740					
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.086							
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.094	-.2790			-.0080	-.0280	-.2340	-.3510
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.150			.0720				
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.177							
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.229	-.0080						
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.246		.1340		-.0880	-.1630	-.1370	-.1320
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.290							
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.362	.1010			-.1190	-.1140		.0210
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.400							
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.402			-.1530				
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.497	.0860						
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.590				-.2100	-.2720		
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.565			-.2400				-.2360
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.600						-.3100	
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.690				-.3940			
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.700	-.2220						
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.725				-.3960		-.3660	-.4190
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.730							
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.760			-.4470				
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.775				-.4640	-.4510		
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.808			-.3220				
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.834	-.2660						
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.850			-.3240				
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.857							
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.865	-.2660			-.4320			-.3960
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.910	-.2440						
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.905			-.3190				
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.950				-.2391	-.2720	-.3080	
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.955			-.2640				
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TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 OGA + S3 + T9 LOWER WING

(3394.14)

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SECTION (2) LOWER WING

WACH (2) = 1.244 BETAT (2) = -4.060

DEPENDENT VARIABLE CP

V/BW .299 .364 .427 .534 .673 .760 .867
X/CW

.150						
.177	-.1350	.2170				
.229						
.246		.0230				
.250			.1050	.0500	.0560	.0430
.362	-.0640		.0760	.0740		.1200
.402						
.497	.2860					
.550			-.0090	-.0610		
.565						
.600						
.690						
.700	-.0360					
.725			-.2040	-.2060	-.1300	-.0990
.730						
.760						
.775			-.2420	-.2750	-.2860	
.808						
.834	-.2100					
.890						
.897			-.3790			
.905	-.3680					
.900	-.5010					
.905			-.5010	-.3600		-.2610
.950						
.953			-.4560	-.4350	-.4360	
.965	-.3270		-.4610			

WACH (2) = 1.247 BETAT (3) = .020

V/BW .299 .364 .427 .534 .673 .760 .867
X/CW

.000	-.1930	-.1190	.2060	.3670	.5430	.5350	.5060
.050				-.0690	-.1000	-.3610	-.2730
.061			.1650				
.066		-.1300					
.094	-.1570			.0950	.1060	-.0790	-.1670
.150			.1790				
.177							
.229	-.1720						
.246		.1660					
.250				.0390	-.0080	-.0460	-.0190
.362	.0690						
.400				-.0760	.0100		.0920
.402							
.497	.1930		-.0150				

...

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A8A

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AMES 11-707 1A9 OEA + S3 + T9 LOWER WING

(0894.14)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

WACH (2) = 1.245 BETAT (4) = 4.110

Y/CM	X/CM	.299	.364	.427	.534	.673	.780	.887
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.808				-.3380				
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.834	-.3140							
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.850				-.3970	-.3790	-.3660		
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.857				-.4610				
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.865	-.3500							-.3270
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.900	-.2490							
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.905				-.4710	-.4320			
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.953								
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.953				-.3040	-.4500	-.4630		
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.965	-.1790			-.2460				
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WACH (3) = 1.250 BETAT (5) = 8.210

Y/CM	X/CM	.299	.364	.427	.534	.673	.780	.887
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.000	-.4370	-.2640	.2900	.4560	.3570	.3210	.3070	
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.050				-.1010	-.2900	-.4710	-.3600	
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.081				.1250				
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.086								
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.094	-.2490							
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.150								
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.177								
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.229	-.1990							
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.246								
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.250								
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.362	.0590							
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.400								
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.402								
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.497	.0080							
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.550								
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.565								
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.620								
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.650								
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.700	-.2020							
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.725								
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.750								
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.760								
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.775								
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.806								
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.834	-.2640							
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.857								
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.865	-.2840							
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.940	-.2440							
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.945								
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.954								
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.955								
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.955				-.3570	-.5040	-.4990		
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.955				-.2780				
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TE 21 SEP 73

INSULATED PRESSURE DATA - 1A9A

(RBM,14)

AMEC 11-707 1A9 O2A + S3 + T9 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

	Y/BA	.299	.364	.427	.534	.673	.760	.887
MACH (21 = 1.250) BETAT (3) = 8.210	X/CA							
		.963	-.2010					

REFERENCE DATA

8007 =	8.4810	38.47'	1068 =	28.5300	INCHES
1007 =	39.6480	INCHES	1468 =	.0000	INCHES
8007 =	39.6480	INCHES	2468 =	.0020	INCHES
SCALE =	.0000 SCALE				

ALPHAT =	-2.000	ORBITC =	.500
RUDDER =	-5.000	ELEVON =	.000
RUDFLR =	.000		

PARAMETRIC DATA

SECTION (1) LOWER WING

WACH (1) = 1.101 BETAT (1) = -8.200

DEPENDENT VARIABLE CP

Y/BA
X/CA

94	.299	.364	.427	.534	.673	.790	.897
95							
100	-.1170	-.0650	.5460	.7670	.7060	.7200	.6660
105					.2270	.1590	.0660
106			.3670				.0670
108		-.0140					
1094	-.1120						
1150				.2650	.2450	.0670	.1560
1177			.3040				
1229	-.0990						
1246		.3370					
1250				.1740	.1990	.1930	.1690
1362	.3590			.2040	.1920		.1460
1477			.1510				
1482							
1497	.3610			.0660	-.1120		
1550	.550		.0940				
1565							-.1420
1600						-.1520	
1690				-.2040	-.2290		
1700	.1130					-.2630	-.3150
1725	.725						
1750	.760	-.3460					
1775	.775		-.3210	-.3150			
1806		-.3950					
1834	-.3090						
1850				-.4620	-.4120	-.4130	
1857	.857	-.5020					
1865	-.5390						
1941	-.5360			-.5910			-.3170
1945			-.4710				
1950				-.4690	-.5370	-.5060	
1955			-.2430				
1965	-.2100						

MACM (1) = 1.101 BETAT (2) = -4.060

Y/BM	.299	.364	.427	.534	.673	.761	.867
X/CM							
.1441	-.1661	-.1170	.4030	.6960	.0360	.6630	.3041
.1541			.1190	.0310	-.0470	-.0920	
.1641			.2990				
.1646		.0900					

DATE 20 SEP 13

TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 OEA + S3 + T9 LOWER WING

(R04L15)

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SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

WACH (1) = 1.101 BETAT (2) = -4.060

Y/BA X/CA	.599	.364	.427	.534	.673	.760	.887
.150			.2180	.2040	.1620	-.0430	.0670
.177	-.1310	.2760					
.229				.0730	.0790	.1070	.0760
.246							
.250				.0600	.0640		.0600
.362	.2940		.0330				
.400							
.402							
.497	.2650			-.0610	-.1630		
.550			-.0640				
.565							-.2040
.610					-.3040		
.650							
.700	-.1060			-.2340		-.3320	-.3620
.725							
.750							
.760			-.3780				
.775				-.3470	-.3310		
.808			-.3900				
.834	-.3550			-.4680	-.4280	-.4800	
.850			-.5360				
.857							-.3640
.865	-.5730			-.4220			
.900	-.3130						
.905			-.1760				
.950				-.2050	-.3670	-.5300	
.953			-.1730				
.965	-.1500						
Y/BA X/CA	.299	.364	.427	.534	.673	.760	.887
.000	-.3190	-.1460	.4070	.6070	.5430	.5330	.5060
.050			.2370	.0260	-.0630	-.1770	-.2310
.061							
.066		.0940					
.094	-.2080			.1230	.0930	-.1310	-.0180
.150			.1330				
.177		.0690					
.229							
.246		.2090					
.250				-.0180	-.0410	.0410	.0160
.362	.2120			-.0630	-.0200		.0530
.400							
.402							
.497			-.0930				
.550							
.565							
.610							
.650							
.700							
.725							
.750							
.760							
.775							
.808							
.834							
.850							
.857							
.865							
.900							
.905							
.950							
.953							
.965							

WACH (1) = 1.103 BETAT (3) = .030

DATE 20 SEP 73

TABULATED PRESSURE DATA - 148A

(020415)

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AMES 11-707 148 OCA + S3 + T9 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

WCOM (1) = 1.100 BETAT (1) = 0.230

V/B4 X/C4	.239	.364	.427	.534	.673	.760	.887
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WCOM (2) = 1.245 BETAT (1) = -0.190

V/B4 X/C4	.239	.364	.427	.534	.673	.760	.887
--------------	------	------	------	------	------	------	------

V/B4 X/C4	.239	.364	.427	.534	.673	.760	.887
--------------	------	------	------	------	------	------	------

V/B4 X/C4	.239	.364	.427	.534	.673	.760	.887
--------------	------	------	------	------	------	------	------

V/B4 X/C4	.239	.364	.427	.534	.673	.760	.887
--------------	------	------	------	------	------	------	------

V/B4 X/C4	.239	.364	.427	.534	.673	.760	.887
--------------	------	------	------	------	------	------	------

V/B4 X/C4	.239	.364	.427	.534	.673	.760	.887
--------------	------	------	------	------	------	------	------

V/B4 X/C4	.239	.364	.427	.534	.673	.760	.887
--------------	------	------	------	------	------	------	------

V/B4 X/C4	.239	.364	.427	.534	.673	.760	.887
--------------	------	------	------	------	------	------	------

V/B4 X/C4	.239	.364	.427	.534	.673	.760	.887
--------------	------	------	------	------	------	------	------

V/B4 X/C4	.239	.364	.427	.534	.673	.760	.887
--------------	------	------	------	------	------	------	------

V/B4 X/C4	.239	.364	.427	.534	.673	.760	.887
--------------	------	------	------	------	------	------	------

V/B4 X/C4	.239	.364	.427	.534	.673	.760	.887
--------------	------	------	------	------	------	------	------

V/B4 X/C4	.239	.364	.427	.534	.673	.760	.887
--------------	------	------	------	------	------	------	------

V/B4 X/C4	.239	.364	.427	.534	.673	.760	.887
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V/B4 X/C4	.239	.364	.427	.534	.673	.760	.887
--------------	------	------	------	------	------	------	------

V/B4 X/C4	.239	.364	.427	.534	.673	.760	.887
--------------	------	------	------	------	------	------	------

WCOM (2) = 1.245 BETAT (2) = -0.070

V/B4 X/C4	.239	.364	.427	.534	.673	.760	.887
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V/B4 X/C4	.239	.364	.427	.534	.673	.760	.887
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V/B4 X/C4	.239	.364	.427	.534	.673	.760	.887
--------------	------	------	------	------	------	------	------

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1494

(R094.15)

PAGE 1613

AMES 11-707 1A9 CEA + S5 + 79 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

WCM (2) = 1.247 BETAT (3) = .020

Y/CM X/CM	.299	.364	.427	.534	.673	.760	.687
.590			-.0610	-.0590	-.1260		-.1330
.565						-.1570	
.600							
.630							
.700	-.1110			-.2390	-.2170	-.2360	-.2060
.725							
.750			-.2620		-.2620	-.3000	
.760							
.775			-.2640				
.806							
.834	-.2550			-.3500	-.3560	-.3600	
.830			-.4030				
.857				-.3930			-.3400
.865	-.4300						
.900	-.4300		-.5060				
.905				-.4630	-.4430	-.4440	
.950			-.3770				
.953							
.965	-.3070						
		.299	.364	.427	.534	.673	.760
Y/CM X/CM							.687
.000	-.3600	-.1460	.2640	.5430	.4630	.4600	-.6970
.050			.2030	.0160	-.1130	-.2360	-.1310
.081							
.086			-.1560				
.094	-.2000			.0220	.0620	-.0940	-.0090
.150			.1050				
.177							
.229	-.1060						
.246		.1630		-.0290	-.0960	-.0200	.0620
.250							
.362	.1170			-.0360	.0010		.1010
.411							
.412			-.0590				
.497	.0220						
.550				-.1020	-.1360		
.565			-.1380				
.611						-.1640	-.1340
.631							
.741	-.1720			-.2510	-.2230	-.2430	-.3010
.775							
.791							
.761			-.3090	-.2610	-.3120		
.775							

WCM (2) = 1.247 BETAT (4) = 4.110

ANES 11-707 1A9 OEA + S3 + T9 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

WCON (2) = 1.847 BETAT (4) = 4.110

Y/CM

X/CM

WCON (3) = 1.848 BETAT (5) = 0.300

Y/CM

X/CM

.608	.299	.364	.427	.534	.673	.760	.887
.634	-.3500		-.3100				
.650				-.3480	-.3560	-.3610	
.657			-.4270				
.665	-.3410			-.4000			-.2880
.603	-.2910		-.4820				
.605				-.4740	-.4280	-.4440	
.650			-.2780				
.653							
.965	-.1940						
.639	.299	.364	.427	.534	.673	.760	.887
.000	-.4540	-.1800	.2190	.4820	.4070	.3680	.3650
.080				.0480	-.0630	-.2050	-.2150
.091		.0850	.1900				
.086	-.2290						
.190			.1300	.0830	.0770	-.1080	-.0830
.177	-.1280						
.246		.1250		-.0130	-.0870	-.0400	-.0270
.250							
.362	.0780			-.0520	-.0370		.0360
.400							
.402		-.0860					
.497	.0880			-.1400	-.1640		
.560							
.565			-.1680				-.1690
.600						-.2150	
.690							
.700	-.1610			-.2810			
.723				-.2880			
.750			-.3770			-.2940	-.3360
.760				-.3280	-.3450		
.773				-.3580			
.806							
.834	-.2340			-.4480	-.4720	-.4150	
.850			-.3410				
.857							
.865	-.2430			-.4720			-.3530
.914	-.2250			-.3210			
.915				-.4280	-.4870	-.4790	
.950							
.953			-.2280				

DATE 20 SEP 73

TRANSLATED PRESSURE DATA - 140N

(0004.15)

PAGE 1013

APCS 11-707 140 QDA + SE + 79 LOANR WING

SECTION (1) LOANR WING

DEPENDENT VARIABLE: CP

WIND (2) = 1.206	BETAT (5) = 0.200	Y/OM	.299	.364	.427	.534	.673	.780	.887
		X/OM	.005	-.1940					

REFERENCE DATA

WREF = 2.4210 SQ.FT. WREF = 26.5300 INCHES
 LREF = 39.6490 INCHES WREF = .0000 INCHES
 SREF = 39.6490 INCHES ZREF = .0000 INCHES
 SCALE = .0000 SCALE

ALPHAT = .000 CRGINC = .500
 RUDDER = -5.000 ELEVON = .000
 RUOFLR = .000

PARAMETRIC DATA

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

WACH (1) = 1.101 BETAT (1) = -0.210

V/W4	.299	.364	.427	.534	.675	.760	.887
X/W4							
.000	-.1020	-.0390	.2630	.7620	.6880	.7030	.6120
.020				.3080	.2740	.2120	.2510
.061			.4310				
.084		.0730					
.104	-.0860			.3300	.3650	.1640	.2420
.150			.3580				
.177							
.229	-.0220						
.246		.3780		.2560	.2380	.2380	.2500
.250				.2450	.1980		.2040
.362	.3600						
.400			.2130				
.402							
.497	.3900						
.550				.0850	-.0710		
.565			.0870				
.600							
.620							
.680							
.700	.1450						
.725				-.1650			
.750							
.760			-.3330				
.775				-.3050	-.2900		
.806			-.3410				
.820	-.2380						
.850				-.4440	-.3610	-.3910	
.857			-.4860				
.865	-.3230						
.900	-.5310			-.5160			
.905			-.4480				
.950				-.5080	-.5170	-.4670	
.955			-.2270				
.965	-.1890						
V/W4	.299	.364	.427	.534	.675	.760	.887
X/W4							
.000	-.1970	-.1040	.4710	.6990	.6300	.6360	.3590
.020			.3600	.2140	.1700	.1050	.1420
.061							
.086							
.094		.0390					
.094	-.1360						

WACH (1) = 1.088 BETAT (2) = -0.090

AMES 11-707 02A + 53 + 79 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

WACH (1) = 1.100 BETAT (2) = .080

V/W X/CM	.299	.364	.427	.534	.673	.760	.887
.590							
.565							
.600							
.690							
.700							
.725							
.790							
.775							
.808							
.634							
.690							
.657							
.665							
.900							
.905							
.990							
.955							
.965							
V/W X/CM	.299	.364	.427	.534	.673	.760	.887
.000							
.090							
.061							
.086							
.094							
.150							
.177							
.229							
.246							
.290							
.362							
.460							
.412							
.497							
.550							
.565							
.624							
.690							
.700							
.725							
.790							
.760							
.775							

DATE 03 SEP 79

TABULATED PRESSURE DATA - 148A

(0394.16)

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AEC3 11-707 1A9 OCA + S3 + T9 LOWER WING

SECTION (1) : 11 LOWER WING

DEPENDENT VARIABLE CP

WACH (1) = 1.100 BETAT (4) = 4.130

V/CM	.239	.364	.427	.534	.673	.780	.887
------	------	------	------	------	------	------	------

V/CM

.808	-.3330		-.4400				
.834				-.5340	-.4660	-.4780	
.850			-.5190				
.857	-.2840			-.8090			-.3630
.903	-.2510			-.2530	-.1710	-.3000	-.5700
.940							
.953				-.1590			
.965	-.1490						

WACH (1) = 1.000 BETAT (5) = 8.250

V/CM	.289	.364	.427	.534	.673	.780	.887
------	------	------	------	------	------	------	------

V/CM

.000	-.0090	-.1360	.2220	.4680	.4120	.4080	.3780
.080				.0990	.0070	-.0810	-.0590
.081			.2410				
.086		.0780					
.094	-.3020			.0890	.0780	-.0590	.0700

.117			.1340				
.229	.0810	.1530					
.246				-.0290	-.0660	.0550	.0640
.250							
.362	.1310			-.0270	-.0080		.0640
.400							
.402			-.0880				
.497	.0650						
.550				-.1120	-.1570		
.565			-.1670				
.600							
.600							
.650				-.2120			-.2170
.700	-.2080			-.2960			
.725							
.750							
.760							
.775							
.808							
.834	-.2330			-.4340	-.4640	-.4780	
.850							
.857				-.2970			
.903	-.2330						
.914	-.2210			-.4310			-.3840
.945							
.950				-.2850	-.3350	-.4920	-.5740
.953							
.953				-.2400			

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TABULATED PRESSURE DATA - 1A9A

(RBNL16)

AMES 11-707 1A9 O2A + S3 + T9 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = 1.247 BETAT (3) = .020

Y/BA X/CA	.599	.364	.427	.534	.575	.760	.697
.590							
.565			-.0310	-.0100	-.0980		-.1020
.600							
.690							
.700	-.0980						
.725							
.750							
.760			-.2310	-.2450	-.2740		
.775			-.2670				
.806							
.834	-.2310			-.3280	-.3440	-.3410	
.890			-.3820				
.897							
.865	-.4290			-.3770			-.2730
.900	-.4230			-.5080			
.905				-.4560	-.3670	-.4300	
.920							
.953			-.4160				
.965	-.2060						
Y/BA X/CA	.599	.364	.427	.534	.575	.760	.697
.000	-.4010	-.1550	.2660	.3630	.4900	.4840	.4880
.030			.2350	.0390	-.0070	-.0400	-.0190
.061			-.1330				
.066							
.094	-.1730						
.130			.1360	.0640	.1160	-.0320	.0740
.177							
.229	-.1730						
.246		.1680					
.290				.0000	-.0260	.1360	.1240
.362	.1490			.0160	.0820		.1320
.400							
.402			-.0160				
.497	.0420						
.590			-.0900	-.0300	-.0620		
.565							
.600							
.604							
.690							
.700	-.1310			-.1790	-.1990		
.725							
.790							
.760			-.2430	-.2190	-.2640		
.775							

MACH (2) = 1.244 BETAT (4) = 4.110

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TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 O2A + S3 + T9 LOWER WING

(R294.16)

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SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = 1.244 BETAT (5) = 8.200

V/BW X/CW	.239	.364	.427	.534	.673	.760	.867
	.965	-.1660					



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TABULATED PRESSURE DATA - 1A8A

AWES 11-TOT 1A9 OEA + S3 + T9 LOWER WING

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(020417) (27 APR 79)

REFERENCE DATA

WREF = 2.4210 30.FT. XREF = 20.5300 INCHES
LREF = 39.6490 INCHES YREF = .0000 INCHES
BREF = 39.6490 INCHES ZREF = .0000 INCHES
SCALE = .0300 SCALE

ALPHAT = 2.000 ORGINC = .500
RUDOCR = -5.000 ELEVON = .000
RUDFLR = .000

PARAMETRIC DATA

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

WACH (1) = 1.102 BETAT (1) = -0.200

Y/BW X/CW	.299	.364	.427	.534	.673	.760	.687
.000	-.1140	-.0330	.4090	.7260	.6470	.6310	.4830
.030			.4960	.4160	.3630	.3260	.3900
.061		.1700					
.096	-.0680			.3960	.4070	.2360	.3110
.130			.4110				
.177		.0160					
.229		.4240		.3020	.3160	.3140	.2740
.246				.2670	.2300		.2470
.290		.4150					
.362			.2390				
.400		.402					
.497	.4170			.1230	-.0600		
.593			.1360				-.0610
.565						-.0740	
.600							
.650						-.1710	
.700	.1760			-.1600		-.1990	-.2430
.725							
.750			-.3600				
.760				-.2630	-.2390		
.775			-.3210				
.806							
.834	-.2900			-.4240	-.3520	-.3360	
.850			-.4760				
.857							
.865	-.5160			-.4900			-.2360
.910	-.5950						
.915			-.5140				
.930				-.5370	-.4910	-.4570	
.953			-.2160				
.965	-.1660						
Y/BW X/CW	.299	.364	.427	.534	.673	.760	.687
.000	-.2340	-.1210	.4190	.6660	.5690	.5960	.4460
.030			.4160	.3060	.2840	.2220	.3120
.061		.0960					
.096							
.130	-.1160						

WACH (1) = 1.096 BETAT (2) = -4.090

AMES 11-707 1A9 OCA + S3 + T9 LOWER WING

(RBM4.17)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACM (1) = 1.098 BETAT (2) = -4.193

V/BM X/CM	.299	.364	.427	.534	.673	.780	.887
.150			.3140	.2930	.3190	.1680	.2390
.177	-.0720						
.229		.3360					
.246				.1950	.2340	.2440	.2100
.250					.2110	.1620	.1520
.362	.3820						
.400			.1450				
.402							
.497	.3140			.0720	-.0970		
.550			.0590				
.565						-.1120	-.1180
.600							
.690	.0820						
.700				-.1980	-.2170		
.725						-.2450	-.2860
.750							
.760			-.3500				
.775				-.3160	-.3000		
.808			-.3360				
.834	-.3870			-.4540	-.3690	-.4010	
.850							
.857			-.5070				
.865	-.5450			-.5240			-.2890
.900	-.3230						
.905			-.1770				
.950				-.2110	-.3290	-.4960	
.953			-.1660				
.965	-.1360						
V/BM X/CM	.299	.364	.427	.534	.673	.780	.887
.000	-.4030	-.2070	.3500	.5630	.5010	.5870	.4150
.050				.1630	.1560	.1220	.2250
.061			.3820				
.066		.0660					
.094	-.1740						
.150			.1990	.1670	.2120	.0640	.1770
.177							
.229	.0820						
.246		.2420					
.250				.0610	.1310	.1680	.1660
.362	.2240						
.400				.1170	.1340		.1400
.402							
.497			-.0030				
.550							
.565							
.600							
.690							
.700							
.725							
.750							
.760							
.775							
.808							
.834							
.850							
.857							
.865							
.900							
.905							
.950							
.953							
.965							

MACM (1) = 1.102 BETAT (3) = .020

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TABULATED PRESSURE DATA - 1A9A

(R09L17)

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AMES 11-707 1A9 CPA + S3 + T9 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = 1.099 BETAT (1) = 0.250

V/BW X/CW	.299	.364	.427	.534	.673	.760	.887
.965	-.2000						

MACH (2) = 1.244 BETAT (1) = -0.150

V/BW X/CW	.299	.364	.427	.534	.673	.760	.887
.000	-.0490	-.0090	.3160	.0100	.7270	.7370	.6110
.050				.4190	.4020	.3290	.4080
.081			.5040				
.086		.0410					
.094	.0300			.4260	.4220	.2720	.3540
.150			.4390				
.177							
.229	.0260						
.246		.4210		.3270	.3400	.3650	.3360
.290							
.362	.2420			.3310	.3150		.2930
.400			.2640				
.402							
.497	.4700			.2290	.0770		
.530			.2260				.0990
.565							
.600						.0250	
.690							
.700	.2730			-.0160	-.0490		
.725						-.0820	-.1390
.750							
.760			-.1310				
.775				-.1230	-.1290		
.808			-.1720				
.834	-.1290			-.2570	-.2190	-.2260	
.850			-.2950				
.857							
.860	-.3290			-.3280			-.1270
.900	-.4430			-.4460			
.905				-.4030	-.3440	-.3120	
.950							
.953			-.4440				
.965	-.4250						

MACH (2) = 1.291 BETAT (2) = -0.160

V/BW X/CW	.299	.364	.427	.534	.673	.760	.887
.144	-.1520	-.1220	.3650	.7420	.6360	.6660	.5590
.190				.3290	.3220	.2450	.3310
.141							
.146		-.0370					
.194	-.1340						

AMES 11-707 1A9 O2A + S3 + T9 LOWER WING

(RBM417)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = 1.251 BETAT (2) = -4.060

V/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.190			.3640	.3470	.3590	.1940	.2970
.177	-.0330	.2960					
.229				.2420	.2390	.3070	.2790
.246							
.290	.0160			.2290	.2440		.2290
.362							
.400			.1690				
.402				.1210	.0820		
.497	.3730						
.590			.1000				
.565							
.600							
.650	.0990						
.700							
.725							
.750							
.760							
.775							
.806							
.834	-.1460						
.820							
.857							
.865	-.3360						
.900	-.4490						
.905							
.950							
.953							
.965	-.3310						
V/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.3000	-.2200	.3480	.6360	.5590	.5680	.4600
.090				.2440	.2450	.1700	.2440
.061							
.186							
.094	-.0930	-.0650					
.190				.2590	.2470	.1160	.2060
.177				.2600			
.229	-.0890	.2490					
.246							
.290				.1430	.1470	.2030	.1960
.362	.1600						
.400				.0940	.1470		.1650
.402							
.497							
.590							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							
.806							
.834							
.820							
.857							
.865							
.900							
.905							
.950							
.953							
.965							

MACH (2) = 1.246 BETAT (3) = .020



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TABULATED PRESSURE DATA - 1A9A

AWCS 11-707 1A9 OCA + S3 + T9 LOWER WING

(REF: 117)

SECTION (2) LOWER WING

DEPENDENT VARIABLE CP

WACN (2) = 1.248 BETAT (3) = .0220

V/BW
X/CW

.299 .364 .427 .534 .673 .780 .887
.0340 .0570 -.0290 -.0530
-.1510 -.1640 -.2060

.565

.0340 .0570 -.0290 -.0530
-.1510 -.1640 -.2060

.670

.0340 .0570 -.0290 -.0530
-.1510 -.1640 -.2060

.725

.0340 .0570 -.0290 -.0530
-.1510 -.1640 -.2060

.790

.0340 .0570 -.0290 -.0530
-.1510 -.1640 -.2060

.808

.0340 .0570 -.0290 -.0530
-.1510 -.1640 -.2060

.834

.0340 .0570 -.0290 -.0530
-.1510 -.1640 -.2060

.857

.0340 .0570 -.0290 -.0530
-.1510 -.1640 -.2060

.865

.0340 .0570 -.0290 -.0530
-.1510 -.1640 -.2060

.900

.0340 .0570 -.0290 -.0530
-.1510 -.1640 -.2060

.905

.0340 .0570 -.0290 -.0530
-.1510 -.1640 -.2060

.953

.0340 .0570 -.0290 -.0530
-.1510 -.1640 -.2060

.965

.0340 .0570 -.0290 -.0530
-.1510 -.1640 -.2060

.965

.0340 .0570 -.0290 -.0530
-.1510 -.1640 -.2060

.965

.0340 .0570 -.0290 -.0530
-.1510 -.1640 -.2060

.965

.0340 .0570 -.0290 -.0530
-.1510 -.1640 -.2060

WACN (2) = 1.244 BETAT (4) = 4.117

V/BW
X/CW

.299 .364 .427 .534 .673 .780 .887
.0340 .0570 -.0290 -.0530
-.1510 -.1640 -.2060

.060

.0340 .0570 -.0290 -.0530
-.1510 -.1640 -.2060

.081

.0340 .0570 -.0290 -.0530
-.1510 -.1640 -.2060

.096

.0340 .0570 -.0290 -.0530
-.1510 -.1640 -.2060

.094

.0340 .0570 -.0290 -.0530
-.1510 -.1640 -.2060

.130

.0340 .0570 -.0290 -.0530
-.1510 -.1640 -.2060

.177

.0340 .0570 -.0290 -.0530
-.1510 -.1640 -.2060

.229

.0340 .0570 -.0290 -.0530
-.1510 -.1640 -.2060

.246

.0340 .0570 -.0290 -.0530
-.1510 -.1640 -.2060

.250

.0340 .0570 -.0290 -.0530
-.1510 -.1640 -.2060

.402

.0340 .0570 -.0290 -.0530
-.1510 -.1640 -.2060

.412

.0340 .0570 -.0290 -.0530
-.1510 -.1640 -.2060

.497

.0340 .0570 -.0290 -.0530
-.1510 -.1640 -.2060

.550

.0340 .0570 -.0290 -.0530
-.1510 -.1640 -.2060

.565

.0340 .0570 -.0290 -.0530
-.1510 -.1640 -.2060

.646

.0340 .0570 -.0290 -.0530
-.1510 -.1640 -.2060

.690

.0340 .0570 -.0290 -.0530
-.1510 -.1640 -.2060

.716

.0340 .0570 -.0290 -.0530
-.1510 -.1640 -.2060

.725

.0340 .0570 -.0290 -.0530
-.1510 -.1640 -.2060

.790

.0340 .0570 -.0290 -.0530
-.1510 -.1640 -.2060

.760

.0340 .0570 -.0290 -.0530
-.1510 -.1640 -.2060

.775

.0340 .0570 -.0290 -.0530
-.1510 -.1640 -.2060

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (2) = 1.244 BETAT (4) = 4.150

V/B4 X/CM	.299	.364	.427	.534	.673	.780	.887
.808			-.2380				
.834	-.2620						
.850				-.3310	-.2690	-.3120	
.857			-.3860				
.865	-.3460			-.3950			-.2410
.970	-.2110			-.5100			
.905				-.4900	-.4000	-.3930	
.950							
.933				-.2560			
.965	-.2210						
V/B4 X/CM	.299	.364	.427	.534	.673	.780	.887
.003	-.4570	-.2250	.1210	.4730	.4030	.4160	.3390
.050				.1670	.1440	.0920	.1370
.081		.0790					
.086							
.094	-.2230			.1410	.1300	.0260	.1340
.150			.1940				
.177							
.229	-.0360	.1571					
.245				.0360	.0590	.1340	.1260
.290							
.362	.1160			.0430	.0600		.1520
.400							
.402			-.0080				
.497	.1260			-.0340	-.0660		
.550			-.0900				-.1160
.565							
.670						-.1310	
.690					-.2160		
.700	-.1230			-.2210			
.725						-.2210	-.2720
.750							
.760			-.3210				
.775				-.2860	-.2670		
.816			-.2970				
.834	-.2510						
.850				-.3750	-.3330	-.3430	
.857			-.2830				
.865	-.2140						-.2050
.940	-.1960			-.4000			
.945			-.3070				
.940				-.4110	-.4360	-.4240	
.953			-.2270				

MACH (2) = 1.245 BETAT (3) = 6.200



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TABULATED PRESSURE DATA - 1A9A

AMES 11-757 1A9 OCA + S3 + T9 LOWER WING

(RBM 17)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

	Y/BW	.299	.364	.427	.514	.673	.780	.887
MACH (2) = 1.243								
BETAT (3) = 0.200								
X/CW	.365	-.1630						

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TABULATED PRESSURE DATA - 1A9A

AMES 11-T07 IAG O2A + S3 + T9 LOWER WING

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(RBM.16) (27 APR 73)

REFERENCE DATA

SECF = 2.4210 SQ.FT. XREF = 20.5300 INCHES
 LEET = 39.8490 INCHES YREF = .0000 INCHES
 BREF = 39.8490 INCHES ZREF = .0000 INCHES
 SCALE = .0000 SCALE

ALPHAT = 4.000 CROINC = .500
 RUDDER = -5.000 ELEVON = .000
 RUDDLR = .000

PARAMETRIC DATA

SECTION (1) : 11 LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = 1.104 BETAT (1) = -8.700

Y/B4 X/C4	.299	.364	.427	.534	.673	.780	.887
.000	-.1360	-.0660	.4250	.6780	.6060	.5980	.3870
.050			.3380	.4820	.4670	.4230	.4690
.081		.1840					
.094	-.0160			.4350	.4620	.3420	.3730
.150			.4350				
.177	.1060						
.229		.4380					
.246			.3370	.3660	.3630	.3170	.3170
.290				.3170	.2860		.2410
.362	.4130		.2870				
.400							
.402			.1500	.1390	-.0290		-.0120
.497	.4250						
.540							
.565							
.600							
.650							
.700	.1910			-.1490	-.1510		
.725						-.1710	-.2160
.750							
.760				-.3080	-.2660	-.2360	
.775				-.3070			
.818							
.834	-.2780			-.4100	-.3340	-.3340	
.850							
.857				-.4670			
.865	-.5120				-.4830		-.1970
.911	-.6310			-.5970	-.5490	-.4730	-.4350
.915							
.950				-.2260			
.953							
.965	-.1820						
.Y/B4 X/C4	.299	.364	.427	.534	.673	.780	.887
.144	-.2640	-.1830	.3670	.6280	.5550	.5490	.3420
.050				.3620	.3690	.3270	.4140
.141			.4610				
.146							
.094	-.0760		.1070				

MACH (1) = 1.099 BETAT (2) = -8.080

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TABULATED PRESSURE DATA - 1A9A

(RBNL16)

AMES 11-707 1A9 OCA + S3 + T9 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

WACH (1) = 1.098 BETAT (3) = .082

V/OM	.299	.364	.427	.534	.673	.760	.867
V/OM			.0010	.0310	-.1050		-.1220
.530							
.565							
.600							
.630							
.700	.0110			-.2350	-.2280	-.2450	-.2090
.725							
.750				-.4000	-.3470	-.3120	
.760							
.775				-.4000			
.808	-.3690			-.4800	-.4010	-.4080	
.834				-.5410			
.850							
.867	-.3140			-.2350			-.2800
.885							
.900	-.2710			-.1610			
.905				-.1360	-.5330	-.5020	
.930				-.1300			
.953							
.965	-.0820						
V/OM	.299	.364	.427	.534	.673	.760	.867
V/OM	-.9920	-.2370	.1620	.4440	.4810	.4150	.2350
.000				.2120	.2230	.1940	.3080
.030				.2660			
.061							
.086				.0570			
.094	-.2170						
.130				.1610	.1770	.2310	.1580
.177							
.229	.0640						
.246		.1760		.0940	.1710	.2020	.1760
.250							
.362	.1620			.1200	.1200		.1160
.410				.0630			
.412							
.497	.0460			-.0120	-.1260		
.530				-.0300			
.565							
.610							
.630							
.710	-.0460			-.2390			
.725							
.750							
.760				-.4120	-.3730	-.3350	
.775							

WACH (1) = 1.100 BETAT (4) = 4.130

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TABULATED PRESSURE DATA - 1A9A

(RBM.10)

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AMES 11-707 1A9 OZA + S3 + T9 LOWER WING

SECTION (1) LOWER WING		DEPENDENT VARIABLE CP									
WACH (1) = 1.100 BETAT (4) = 4.130		Y/BW Y/CW	.299	.364	.427	.534	.673	.760	.867		
		.608			-.4100						
		.634	-.3720			-.5000	-.4240	-.4260			
		.650			-.4060						
		.657								-.3110	
		.665	-.2690			-.2330					
		.900	-.2260								
		.905			-.2100						
		.950			-.1360	-.3740	-.3800				
		.953			-.1090						
		.965	-.1130								
WACH (1) = 1.089 BETAT (5) = 6.280											
		Y/BW Y/CW	.299	.364	.427	.534	.673	.760	.867		
		.000	-.6310	-.1060	.0370	.3410	.2450	.2950	.1260		
		.090			.2950	.2040	.1960	.1830	.2950		
		.081		.0640							
		.086	-.3170								
		.094			.1560	.2070	.1460	.1640			
		.150			.1900						
		.177									
		.229	.0490								
		.246		.1760		.0660	.1590	.1170	.1450		
		.250									
		.362	.1360			.1000	.0990	.1170			
		.400			-.0120						
		.402									
		.497	.1010			-.0510	-.1450				
		.550			-.0630						
		.565						-.1630			
		.600						-.1750			
		.600						-.2690			
		.700	-.1680			-.2900		-.2790	-.3340		
		.725									
		.750			-.3500						
		.760			-.3600	-.3490					
		.775			-.2720						
		.808									
		.834	-.2130			-.4030	-.4310	-.4350			
		.850			-.2970						
		.857									
		.865	-.2160			-.4060			-.3350		
		.900	-.2030								
		.905			-.2810						
		.950			-.3010	-.2670	-.5070				
		.953			-.2160						

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

ACES 11-707 1A9 OEA + S3 + T9 LOWER WING

(RBRCL10)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = 1.099 BETAT (3) = 0.280

V/WM X/CM	.299	.364	.427	.534	.673	.780	.987
.965	-.1900						

MACH (2) = 1.244 BETAT (1) = -0.140

V/WM X/CM	.299	.364	.427	.534	.673	.780	.987
.000	-.0810	-.0900	.4990	.7600	.6900	.7020	.5310
.020			.5510	.4030	.4760	.4280	.5130
.061		.0060					
.096	.0730			.4360	.7600	.5560	.4500
.130			.4570				
.177	.0980						
.229		.4960		.3990	.4000	.4170	.3630
.246							
.250		.4040		.3760	.3470		.3130
.362			.3170				
.400							
.402							
.497	.4600			.2560	.0860		.0710
.590			.2280				
.565						.0520	
.600							
.650		.7710		-.0140	-.0360		
.700						-.0800	-.1040
.725							
.750			-.1310				
.760			-.1210	-.1130			
.775			-.1660				
.806							
.834	-.1230			-.2540	-.2000	-.2080	
.850			-.2970				
.857							
.865	-.3300			-.3240			-.0970
.920	-.4400						
.975			-.4360				
.990				-.3910	-.3310	-.2960	
.993			-.4250				
.995	-.3640						

MACH (3) = 1.344 BETAT (2) = -.4380

V/WM X/CM	.299	.364	.427	.534	.673	.780	.987
.000	-.2100	-.1770	.3690	.7060	.6320	.6260	.4770
.020			.4610	.3970	.3940	.3240	.4450
.061							
.096		.0130					
.130							
.177							
.229							
.246							
.250							
.362							
.400							
.402							
.497							
.590							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							
.806							
.834	-.1230						
.850							
.857							
.865	-.3300						
.920	-.4400						
.975			-.4360				
.990				-.3910	-.3310	-.2960	
.993			-.4250				
.995	-.3640						



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TABULATED PRESSURE DATA - 1A9A

AMES 11-TU7 1A9 OCA + 33 + 79 LOWER WING

(R09L10)

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SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

WACH (2) = 1.244 BETAT (2) = -4.080

V/WM X/CM	.299	.364	.427	.534	.675	.760	.887
.150			.3610				
.177	-.0210						
.229		.3740					
.246				.2670	.3010	.3550	.3310
.290					.2740	.2870	.2710
.362	.1590						
.400			.2030				
.402							
.497	.3710			.1570	.0920		
.550			.1280			.0070	.0260
.565							
.600							
.650							
.700	.0790			-.0310	-.0610		
.725						-.0980	-.1260
.790							
.790			-.1520				
.790				-.1410	-.1460		
.775				-.1910			
.806							
.834	-.1460				-.2730	-.2110	-.2460
.850							
.857			-.3090				
.885	-.3490						
.900	-.4570				-.3400		-.1340
.905							
.905							
.950							
.953							
.965	-.2790				-.4430		
V/WM X/CM	.299	.364	.427	.534	.675	.760	.887
.000	-.3580	-.3180	.2670	.5820	.5360	.5460	.4080
.050			.3960	.3140	.3180	.2330	.3560
.061		-.0540					
.086							
.094	-.0690			.2870	.2820	.2660	.2760
.154							
.177			.2870				
.229	-.0780						
.246		.2620					
.290				.1610	.1920	.2370	.2540
.362	.2010						
.402				.1180	.1930		.2190
.416							
.412							
.497	.2280						

WACH (2) = 1.244 BETAT (3) = .0820

AMES 11-707 1A9 02A + 33 + 79 LOWER WING

SECTION (1) LOWER WING

WUCH (2) = 1.249 BETAT (4) = 4.120

DEPENDENT VARIABLE CP

Y/BA
X/CA

X/CX

209	.364	.427	.534	.673	.760	.887
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0908

0908

0.000	-0.2720	-0.2620
0.050	-0.3300	

-.3610
-657

0.065	-0.3970	-0.2270
0.003	-0.0207	

1905 1906

Year	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100																				
Population	150,000	155,000	160,000	165,000	170,000	175,000	180,000	185,000	190,000	195,000	200,000	205,000	210,000	215,000	220,000	225,000	230,000	235,000	240,000	245,000	250,000	255,000	260,000	265,000	270,000	275,000	280,000	285,000	290,000	295,000	300,000	305,000	310,000	315,000	320,000	325,000	330,000	335,000	340,000	345,000	350,000	355,000	360,000	365,000	370,000	375,000	380,000	385,000	390,000	395,000	400,000	405,000	410,000	415,000	420,000	425,000	430,000	435,000	440,000	445,000	450,000	455,000	460,000	465,000	470,000	475,000	480,000	485,000	490,000	495,000	500,000	505,000	510,000	515,000	520,000	525,000	530,000	535,000	540,000	545,000	550,000	555,000	560,000	565,000	570,000	575,000	580,000	585,000	590,000	595,000	600,000	605,000	610,000	615,000	620,000	625,000	630,000	635,000	640,000	645,000	650,000	655,000	660,000	665,000	670,000	675,000	680,000	685,000	690,000	695,000	700,000	705,000	710,000	715,000	720,000	725,000	730,000	735,000	740,000	745,000	750,000	755,000	760,000	765,000	770,000	775,000	780,000	785,000	790,000	795,000	800,000	805,000	810,000	815,000	820,000	825,000	830,000	835,000	840,000	845,000	850,000	855,000	860,000	865,000	870,000	875,000	880,000	885,000	890,000	895,000	900,000	905,000	910,000	915,000	920,000	925,000	930,000	935,000	940,000	945,000	950,000	955,000	960,000	965,000	970,000	975,000	980,000	985,000	990,000	995,000	1,000,000

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[illegible]

0.0590	0.4070	0.3250	0.3720	0.2520
0.0590	0.4070	0.3250	0.3720	0.2520

.050		.2460	.2090	.1400	.2100
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.150	.1680	.1140	.1570
.150	.1960		

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.250	.1570	.1160	.1000
.0620			

.362	.1340	.0990	.156
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Year	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100																																																																																																																																																								
Population	1.497	1.650	1.803	1.956	2.109	2.262	2.415	2.568	2.721	2.874	3.027	3.180	3.333	3.486	3.639	3.792	3.945	4.098	4.251	4.404	4.557	4.710	4.863	5.016	5.169	5.322	5.475	5.628	5.781	5.934	6.087	6.240	6.393	6.546	6.699	6.852	7.005	7.158	7.311	7.464	7.617	7.770	7.923	8.076	8.229	8.382	8.535	8.688	8.841	8.994	9.147	9.300	9.453	9.606	9.759	9.912	10.065	10.218	10.371	10.524	10.677	10.830	10.983	11.136	11.289	11.442	11.595	11.748	11.901	12.054	12.207	12.360	12.513	12.666	12.819	12.972	13.125	13.278	13.431	13.584	13.737	13.890	14.043	14.196	14.349	14.502	14.655	14.808	14.961	15.114	15.267	15.420	15.573	15.726	15.879	16.032	16.185	16.338	16.491	16.644	16.797	16.950	17.103	17.256	17.409	17.562	17.715	17.868	18.021	18.174	18.327	18.480	18.633	18.786	18.939	19.092	19.245	19.398	19.551	19.704	19.857	20.010	20.163	20.316	20.469	20.622	20.775	20.928	21.081	21.234	21.387	21.540	21.693	21.846	21.999	22.152	22.305	22.458	22.611	22.764	22.917	23.070	23.223	23.376	23.529	23.682	23.835	23.988	24.141	24.294	24.447	24.600	24.753	24.906	25.059	25.212	25.365	25.518	25.671	25.824	25.977	26.130	26.283	26.436	26.589	26.742	26.895	27.048	27.201	27.354	27.507	27.660	27.813	27.966	28.119	28.272	28.425	28.578	28.731	28.884	29.037	29.190	29.343	29.496	29.649	29.802	29.955	30.108	30.261	30.414	30.567	30.720	30.873	31.026	31.179	31.332	31.485	31.638	31.791	31.944	32.097	32.250	32.403	32.556	32.709	32.862	33.015	33.168	33.321	33.474	33.627	33.780	33.933	34.086	34.239	34.392	34.545	34.698	34.851	35.004	35.157	35.310	35.463	35.616	35.769	35.922	36.075	36.228	36.381	36.534	36.687	36.840	36.993	37.146	37.299	37.452	37.605	37.758	37.911	38.064	38.217	38.370	38.523	38.676	38.829	38.982	39.135	39.288	39.441	39.594	39.747	39.900	40.053	40.206	40.359	40.512

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.650	-.3760	-.3100	-.3140
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.857	
-1.5930	

0.665	-0.1750	-0.4200	-0.2
0.61	-0.1750	-0.4200	-0.2

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TABLED PRESSURE DATA - 1A9A

(RBNL10)

AMES 11-707 1A9 OCA + S3 + T9 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = 1.245 BETAT (5) = 0.210

	Y/CM	.299	.364	.427	.534	.673	.760	.667
X/CM	.965	-.1510						

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

AUCS 11-707 1A9 OCA + S3 + T9 LOWER WING

(RBL19) (27 APR 75)

PARAMETRIC DATA

REFERENCE DATA

SWEP = 2.4210 SEC.FT. XWRP = 28.5300 INCHES
 LREF = 39.8490 INCHES YWRP = .0000 INCHES
 BREF = 39.8490 INCHES ZWRP = .0000 INCHES
 SCALE = .0300 SCALE

ALPHAT = 6.0000 ORBITALC = .900
 RUDDER = -5.0000 ELEVON = .000
 RUDDLR = .000

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = 1.101 BETAT (1) = -8.180

V/BW Y/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.1820	-.1870	.3430	.6340	.5330	.5290	.2560
.050			.9820	.5470	.5460	.5020	.5660
.061		.2040					
.086	.0290			.4780	.5230	.3820	.4280
.094							
.150	.1650		.4670				
.177							
.229		.4610		.3720	.4100	.4050	.3630
.246							
.250				.3360	.3200		.2750
.362	.4240		.3060				
.402				.1530	-.0120		.0170
.487	.4190						
.550		.1550					
.565							
.600						-.0150	
.690							
.700	.1930					-.1390	
.725							
.750							
.780							
.775							
.808							
.834	-.2870						
.850							
.857							
.865	-.5130						
.900	-.6210						
.905							
.950							
.953							
.965	-.1780						

MACH (1) = 1.098 BETAT (2) = -4.080

V/BW Y/CW	.299	.364	.427	.534	.673	.780	.887
.044	-.3460	-.3440	.2700	.5750	.4980	.4730	.2000
.050				.4340	.4870	.4210	.5000
.061							
.086							
.094							
.150							
.177							
.229							
.246							
.250							
.362	.4240						
.402							
.487	.4190						
.550		.1550					
.565							
.600							
.690							
.700	.1930						
.725							
.750							
.780							
.775							
.808							
.834	-.2870						
.850							
.857							
.865	-.5130						
.900	-.6210						
.905							
.950							
.953							
.965	-.1780						

1



DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 OEA + S3 + T9 LOWER WING

(RBM4.19)

PAGE 1645

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACN (1) = 1.101 BETAT (3) = .020

V/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.550			.0160		.0560	-.0910	
.565						-.0680	-.0690
.670						-.1990	
.690							
.700	.0310						
.725							
.750							
.760							
.775							
.808							
.834	-.3690						
.850							
.857							
.865	-.2860						
.900	-.2470						
.905							
.950							
.953							
.965	-.0790						

MACN (1) = 1.103 BETAT (4) = 4.150

V/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.030	-.5960	-.3110	.0620	.4420	.5610	.3760	.1150
.050				.2770	.3190	.2910	.4050
.081			.0410				
.086							
.094	-.1920						
.150			.1960				
.177							
.229	.0490						
.246		.1790					
.250				.1350	.2250	.2680	.2320
.362	.1510						
.411				.1480	.1680		.1670
.412			.0810				
.497	.0810						
.550							
.565							
.640							
.650							
.700	-.0360						
.725							
.750							
.760							
.775							

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

(RPM 19)

PAGE 1647

AMES 11-757 1A9 OZA + S3 + T9 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = 1.103 BETAT (1) = 8.280

Y/BW Y/CW	.299	.364	.427	.534	.673	.780	.887
.965	-.1760						

MACH (2) = 1.246 BETAT (1) = -8.120

Y/BW Y/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.1100	-.0910	.4370	.7470	.6700	.6580	.4390
.050				.5410	.5510	.5080	.5950
.081		.1200	.5870				
.086							
.094	.1240			.4910	.5390	.4160	.4780
.150			.4740				
.177	.1010						
.229		.4590					
.246			.3930	.4470	.4620	.4500	
.290				.3970	.3840		.3540
.362	.4120						
.400			.3420				
.402				.2510	.1030		.0930
.497	.4400						
.550			.2320				
.565							
.600						.0820	
.650				-.0070	-.0270		
.700	.2710						
.725						-.0390	-.0740
.750							
.760			-.1270				
.775				-.1100	-.0940		
.808			-.1570				
.834	-.1280						
.850				-.2460	-.1850	-.1850	
.857			-.2850				
.865	-.3320						
.900	-.4380			-.3140			-.1620
.905			-.4430				
.950				-.3780	-.3150	-.2790	
.953			-.4350				
.965	-.3780						

MACH (2) = 1.240 BETAT (2) = -8.050

Y/BW Y/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.2430	-.2660	.3330	.6660	.5920	.5820	.3650
.050			.5260	.4680	.4720	.4360	.3420
.081		.0300					
.086							
.094							

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

(FROM 19)

AMES 11-707 1A9 OEA + S3 + T9 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

WACH (2) = 1.244	BETAT (5) = 0.230	Y/BA	X/BA	CP
		.299	.364	.427
				.534
				.673
				.780
				.897
				.965
				-.1540

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

ANES 11-707 1A9 CEA + S3 + T9 LOWER WING

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(27 APR 75)

REFERENCE DATA

SREF = 2.4810 38.17.
 LREF = 39.6490 INCHES
 BREF = 39.6490 INCHES
 SCALE = .0300 SCALE

ALPHAT = 6.000
 RUDDER = -5.000
 RUDDLR = .000

PARAMETRIC DATA

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = 1.101 BETAT (1) = -0.180

V/BM	V/CM	.239	.364	.427	.534	.673	.760	.867
.000	-.2310	-.2630	.2000	.6020	.3030	.4330	.1340	
.001			.2530	.6280	.6170	.6240	.5660	.6410
.006								
.094		.0860						
.150				.5080		.2670	.5730	.4740
.177								
.229		.1970						
.246			.4660					
.250				.4160	.4570	.4570	.4700	
.362		.4440		.3650	.3660		.3170	
.400				.3360				
.402								
.497		.4460						
.520				.1710	.1700	.0240		.0860
.565								
.600							.0160	
.650								
.700		.2130						
.725								
.750								
.760								
.775								
.806								
.834								
.850								
.857								
.865								
.900								
.905								
.950								
.953								
.965								
V/BM		.239	.364	.427	.534	.673	.760	.867
V/CM								
.000		-.4330	-.4660	.1740	.5390	.4620	.4160	.0930
.030				.5470	.5230	.5360	.5150	.5790
.061								
.066								
.094								

MACH (1) = 1.101 BETAT (2) = -4.070

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TABULATED PRESSURE DATA - 1A9A

(RBM.25)

PAGE 1653

AMES 11-707 1A9 OCA + S3 + T9 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = 1.101 BETAT (2) = -4.070

Y/B4 X/C4	.299	.364	.427	.534	.673	.780	.887
.150			.4200	.4430	.5080	.4220	.4300
.177	.1290	.3990					
.229				.3350	.3930	.4030	.3600
.246							
.250				.3070	.3040		.2790
.362	.3480		.2600				
.400							
.402				.1220	-.0240		
.497	.3470						
.530			.1100				.0120
.565							
.600							
.650	.1300						
.700							
.725							
.730							
.760							
.775							
.806							
.834	-.3300						
.860							
.857							
.865	-.5070						
.900	-.2860						
.905							
.920							
.953							
.965	-.1210						
Y/B4 X/C4	.299	.364	.427	.534	.673	.780	.887
.000	-.5940	-.5150	.0940	.4740	.4140	.3610	.0810
.050			.4390	.4110	.4490	.4360	.3280
.081							
.086							
.094	-.0290	.0640					
.150							
.177							
.229	.0790	.2930	.3120	.3410	.4230	.3630	.3630
.246							
.250							
.362	.2490						
.400							
.402							
.497							

MACH (1) = 1.099 BETAT (3) = .020



DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 O2A + S3 + T9 LOWER WING

(RBNL20)

PAGE 1635

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = 1.100 BETAT (4) = 4.163

V/BW X/CM	.239	.364	.427	.534	.673	.783	.887
.808			-.3960				
.834	-.3720			-.4770	-.3940	-.3830	
.850			-.3520				
.857				-.5390			-.2450
.865	-.2200						
.900	-.2060						
.905			-.3330				
.950			-.2090	-.5210	-.4010		
.953			-.1390				
.965	-.1290						

MACH (1) = 1.099 BETAT (5) = 8.300

V/BW X/CM	.239	.364	.427	.534	.673	.780	.887
.000	-.6660	-.2690	-.1510	.1300	.1910	.2400	-.0590
.050			.3190	.2790	.3160	.3110	.4340
.081		-.0400					
.086							
.094	-.2400			.2110	.2780	.2390	.2960
.150			.2180				
.177							
.229	.0800	.1590					
.246				.1200	.2070	.2320	.2410
.290							
.362	.1010			.1170	.1360		.2090
.400			.0240				
.402							
.497	.0780			-.0390	-.1340		
.550							
.565			-.0680				-.0940
.610							
.650						-.1290	
.700	-.1540			-.2770	-.2590		
.723						-.2460	-.2760
.751			-.3410				
.761				-.3170	-.3280		
.775							
.818			-.2510				
.834	-.1970						
.850				-.3680	-.4040	-.4090	
.857			-.2540				
.865	-.2040						
.910	-.1910			-.3790			-.2730
.915			-.2600				
.951				-.2690	-.4770	-.4930	
.953			-.1970				

AMES 11-707 1A9 OCA + S3 + T9 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = 1.099 BETAT (5) = 0.300

V/BW X/CW	.299	.364	.427	.534	.673	.760	.887
.965	-.1680						

MACH (2) = 1.246 BETAT (1) = -0.110

V/BW X/CW	.299	.364	.427	.534	.673	.760	.887
.300	-.1280	-.1590	.3080	.7170	.6310	.6000	.3340
.090			.6080	.6280	.6310	.5990	.6780
.081		.1690					
.086				.3380	.9990	.5010	.5370
.084							
.190			.5120				
.177							
.229		.4670		.4320	.4990	.5130	.4760
.246							
.230				.4190	.4210		.3830
.382							
.400			.3700				
.402							
.497		.4510		.2610	.1190		
.590			.2480			.1130	.1380
.565							
.600					-.0130		
.090	.2880			.0020		-.0080	-.0430
.700							
.725							
.750							
.760							
.775							
.808							
.834							
.850							
.857							
.869							
.900							
.905							
.930							
.953							
.965							

MACH (2) = 1.246 BETAT (2) = -0.040

V/BW X/CW	.299	.364	.427	.534	.673	.760	.887
.160	-.2790	-.3210	.2430	.6330	.5680	.5370	.2850
.050			.5610	.5370	.5600	.5390	.6300
.061							
.066							
.094		.0610					

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TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 OCA + S3 + T9 LOWER WING

(RBML20)

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SECTION (2) LOWER WING

DEPENDENT VARIABLE CP

WACH (2) = 1.246 BETAT (2) = -4.040

V/BW X/CW	.299	.364	.427	.534	.673	.760	.687
.150			.4450		.4690	.5150	.4670
.177	.0545						
.229		.4010		.3560	.4410	.4790	.4410
.246							
.250					.3770	.3760	.3640
.362	.3410						
.400			.3030				
.402							
.497	.3810			.2280	.0990		
.550			.1970				
.565						.0900	.1380
.600					.0290		
.690							
.700	.2170						
.725				.0250			
.750						.0290	.0660
.760			.1570				
.775				.1270	.0960		
.808			.1830				
.834	.1650			.2390	.1900	.1840	
.850			.3100				
.857							
.865	.3090			.3860			.0610
.900	.4330						
.905			.4430				
.950				.3850	.3190	.2770	
.953			.4310				
.965	.2470						
V/BW X/CW	.299	.364	.427	.534	.673	.760	.687
.000	.4150	.3690	.0570	.5180	.4760	.4680	.2060
.090				.4390	.4630	.4430	.5640
.161			.4710				
.166		.0360					
.194	.0220			.3690	.4010	.3930	.4320
.190			.3370				
.177		.0100					
.229							
.246		.2640		.2390	.3610	.4190	.3630
.250							
.362	.2120				.3040	.3080	.3160
.400			.1760				
.402							
.416							
.497	.2460						

WACH (2) = 1.245 BETAT (3) = .010

DEPENDENT VARIABLE CP

Y/BM
X/CM

.299	.364	.427	.534	.673	.760	.867
------	------	------	------	------	------	------

.590	.474	.0540
.563		
.1130		

.690	-.0740
.700	.1190

	-0910	
.725		-.0750 -.1100
.750		

	-0.2240	-0.1690	-0.1530
.760			
.775			

.076		- .2470	
.034	- .2280		

.690	-.9100	-.4330	-.2230
.657	-.9640		

0.065	-0.4070	-0.1590
0.900	-0.2130	-0.3730

-.4900	-.4290	-.3560	-.3170
.905			
.950			

.953	-.4990
.965	-.1690

$1/\theta_{11}$.299	.364	.427	.534	.673	.760	.697
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2004	2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971	1970	1969	1968	1967	1966	1965	1964	1963	1962	1961	1960	1959	1958	1957	1956	1955	1954	1953	1952	1951	1950	1949	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937	1936	1935	1934	1933	1932	1931	1930	1929	1928	1927	1926	1925	1924	1923	1922	1921	1920	1919	1918	1917	1916	1915	1914	1913	1912	1911	1910	1909	1908	1907	1906	1905	1904	1903	1902	1901	1900	1899	1898	1897	1896	1895	1894	1893	1892	1891	1890	1889	1888	1887	1886	1885	1884	1883	1882	1881	1880	1879	1878	1877	1876	1875	1874	1873	1872	1871	1870	1869	1868	1867	1866	1865	1864	1863	1862	1861	1860	1859	1858	1857	1856	1855	1854	1853	1852	1851	1850	1849	1848	1847	1846	1845	1844	1843	1842	1841	1840	1839	1838	1837	1836	1835	1834	1833	1832	1831	1830	1829	1828	1827	1826	1825	1824	1823	1822	1821	1820	1819	1818	1817	1816	1815	1814	1813	1812	1811	1810	1809	1808	1807	1806	1805	1804	1803	1802	1801	1800	1799	1798	1797	1796	1795	1794	1793	1792	1791	1790	1789	1788	1787	1786	1785	1784	1783	1782	1781	1780	1779	1778	1777	1776	1775	1774	1773	1772	1771	1770	1769	1768	1767	1766	1765	1764	1763	1762	1761	1760	1759	1758	1757	1756	1755	1754	1753	1752	1751	1750	1749	1748	1747	1746	1745	1744	1743	1742	1741	1740	1739	1738	1737	1736	1735	1734	1733	1732	1731	1730	1729	1728	1727	1726	1725	1724	1723	1722	1721	1720	1719	1718	1717	1716	1715	1714	1713	1712	1711	1710	1709	1708	1707	1706	1705	1704	1703	1702	1701	1700	1699	1698	1697	1696	1695	1694	1693	1692	1691	1690	1689	1688	1687	1686	1685	1684	1683	1682	1681	1680	1679	1678	1677	1676	1675	1674	1673	1672	1671	1670	1669	1668	1667	1666	1665	1664	1663	1662	1661	1660	1659	1658	1657	1656	1655	1654	1653	1652	1651	1650	1649	1648	1647	1646	1645	1644	1643	1642	1641	1640	1639	1638	1637	1636	1635	1634	1633	1632	1631	1630	1629	1628	1627	1626	1625	1624	1623	1622	1621	1620	1619	1618	1617	1616	1615	1614	1613	1612	1611	1610	1609	1608	1607	1606	1605	1604	1603	1602	1601	1600	1599	1598	1597	15
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.090	.3625	.0715	.0700	.0000
.061	.3120			

0.005	0.000	0.000	0.000
0.004	-0.0040	0.000	0.000

.190	.2730	.0000	.0000	.0000
.177	.2620			

.229	-.0670			
.246		.1610		
			.0000	
				.3560

.250	.1770	.0000	.0000
.362	.1470	.0000	.0000

.400	.4210	.4750
.402	.4210	.4750

.497	.0490		
.590		.1000	.0170

• 565	• 0600	• 030
• 620		• 1000

[illegible]

.725	- .160
.791	- .0970 - .136

	- .2690	
.764		
.775		
	- .2210	- .1944

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TABULATED PRESSURE DATA - 1A9A

A-E5 11-TU7 1A9 OCA + S3 + T9 LOWER WING

(RBM L20)

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SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = 1.245 BETAT (4) = 4.130

V/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.808			-.2740				
.834	-.2570			-.3330	-.1590	-.2510	
.850							
.857			-.3810				
.865	-.2360			-.3960			-.1630
.900	-.1670						
.905			-.3150				
.930				-.4370	-.3870	-.3470	
.953			-.2400				
.965	-.1860						
V/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.4700	-.3930	-.0650	.2860	.3400	.3570	.1340
.050				.3230	.3490	.3160	.4670
.081			.3070				
.086		.0620					
.094	-.1550			.2680	.3020	.2740	.3430
.150			.2500				
.177							
.229	-.0300	.1730					
.246				.1610	.2330	.3180	.3040
.250							
.362	.1190			.1690	.2160		.2450
.400							
.402			.0530				
.497	.1600			.0760	-.0310		
.550							
.565			.0240				.0000
.600							
.650						-.0320	
.700	-.0680			-.1650	-.1450		
.725						-.1430	-.1700
.750							
.760			-.3040	-.2540	-.2210		
.775							
.808			-.2630				
.834	-.1770			-.3590	-.2960	-.2840	
.850							
.857			-.2720				
.865	-.1800						
.900	-.1620			-.3900			-.1860
.905							
.930			-.2920				
.953				-.3600	-.4110	-.3730	
.965			-.2540				

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TABULATED PRESSURE DATA - 1A9A

(RBM, 20)

AMES 11-707 1A9 O2A + S3 + T9 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

	Y/BW	X/BW	Y/CM	X/CM
MACH (2) = 1.243	.299	.364	.427	.534
BETAT (5) = 0.210	.673	.763	.667	
	.965	-1.1310		

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

AMES 11-757 1A9 OZA + S3 + 19 LOWER JING

(RBM21) (27 APR 73)

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REFERENCE DATA

SRPF = 2.4210 SQ.FT. \sqrt{A} = 26.5355 INCHES
LREF = 39.8490 INCHES \sqrt{A} = 14.470 INCHES
BRPF = 39.8490 INCHES \sqrt{A} = 14.470 INCHES
SCALE = .0300 SCALE

ALPHAT = -8.0000 CRBINC = .500
RUDLCE = -10.0000 ELEVON = .000
RUDFLR = .0000

PARAMETRIC DATA

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = 1.100	BETAT (1) = -9.170	V/BW N/CW	.299	.364	.427	.534	.673	.760	.887
.000	-.0920	-.2340	.4880	.6820	.6220	.5830	.5400		
.050				-.1020	-.2530	-.6750	-.5210		
.081					.1620				
.086				-.0560					
.094				-.1740		.1330	-.1310	-.1860	-.4270
.150					.1640				
.177									
.229				-.1080					
.246				.2420					
.250					.0240	-.0720	-.0440	-.3040	
.362				.2970		.3160	-.0160	-.0550	
.400					.0200				
.402									
.497				.2950					
.550					-.0980	-.1140	-.2170		
.565									
.600									
.650									
.700				-.0970					
.725									
.750									
.760									
.775									
.808									
.834				-.3560					
.850									
.857									
.865				-.5580					
.900				-.5170					
.905									
.930									
.953									
.965				-.2160					
V/BW	.299	.364	.427	.534	.673	.760	.887		
N/CW	-.1710	-.3100	.4140	.5870	.5250	.4670	.4130		
.160				-.1660	-.3930	-.7110	-.6140		
.150				.1230					
.181									
.186				-.1100					
.194				-.2170					

MACH (1) = 1.104 BETAT (2) = -4.060

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TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 OCA + S3 + T9 LOWER WING

(RBL21)

SECTION (1) LOWER WING

MACH (1) = 1.104 BETAT (2) = -4.080

DEPENDENT VARIABLE CP

Y/BW X/CW	.299	.764	.427	.534	.673	.760	.687
.150			.1030				
.177	-.1257						
.229		.1920					
.246				-.0350	-.1190	-.1530	-.4440
.250							
.362	.2480			-.0650	-.0930		-.0950
.400			-.0060				
.402							
.497	.2080			-.1740	-.2700		
.530			-.1610				
.565						-.3040	-.2000
.600					-.3970		
.690	-.2020			-.4080		-.3970	-.3930
.700							
.725							
.750			-.4360				
.760				-.4680	-.4770		
.775			-.4280				
.806							
.834	-.3800			-.3340	-.5370	-.5320	
.880			-.5600				-.3660
.887				-.2230			
.888	-.5630						
.900	-.3920		.1310				
.905				-.2310	-.2680	-.5390	
.990			-.2440				
.993							
.995	-.1670						
Y/BW X/CW	.299	.364	.427	.534	.673	.760	.687
.000	-.2610	-.3600	.3430	.4910	.4120	.3260	.2660
.050			.1070	-.2230	-.4920	-.7750	-.7030
.161		.0400					
.186				-.0620	-.2630	-.3630	-.6490
.194	-.7390						
.190			.0340				
.177							
.229	.0070						
.246		.1540					
.250				-.1150	-.1730	-.2490	-.5710
.362	.1770			-.1710	-.1720		-.1100
.400			-.1590				
.402							
.497	.1090						

MACH (1) = 1.099 BETAT (3) = .080

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TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 O2A + S3 + T9 LOWER WING

(RBM.211)

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SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = 1.099 BETAT (3) = .020

Y/BM X/CM	.299	.364	.427	.534	.673	.760	.867
.590			-.2570	-.2670	-.3520		-.2670
.565						-.3640	
.600							
.690							
.700	-.2890			-.4440	-.4530	-.4520	-.4430
.725							
.750							
.760			-.4910	-.4840	-.5300		
.775			-.4750				
.808							
.834	-.4440			-.4470	-.5090	-.5370	
.850			-.6060				
.897				-.2900			-.4450
.965	-.3760						
.900	-.3670		-.2750	-.2290	-.2730	-.3970	
.905							
.950			-.2100				
.953	-.1980						
.965							
Y/BM X/CM	.299	.364	.427	.534	.673	.760	.867
.000	-.3900	-.3930	.3060	.4110	.3060	.1920	.1220
.050			.0970	-.2460	-.6000	-.6420	-.7620
.061		.0460					
.086	-.2490			-.1620	-.3590	-.4650	-.7210
.094							
.150			-.0540				
.177							
.229	.0420						
.246		.1300		-.1930	-.2220	-.3340	-.6730
.250							
.362	.1450			-.2090	-.2050		-.1440
.410							
.412			-.1910				
.497	-.0710			-.2700	-.3570		
.550							
.565			-.2460				-.2940
.640							
.690							
.710	-.2430			-.4090		-.4610	
.725							
.750							-.4490
.760							-.4360
.775				-.5090	-.5160		

MACH (1) = 1.101 BETAT (4) = 4.150



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TABULATED PRESSURE DATA - 1A9A

AWES 11-707 1A9 O2A + S3 + T9 LOWER WING

(RBM421)

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SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = 1.100 BETAT (1) = 0.300

V/BW X/CW	.299	.364	.427	.534	.673	.780	.887
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MACH (2) = 1.245 BETAT (1) = -0.120

V/BW X/CW	.299	.364	.427	.534	.673	.780	.887
--------------	------	------	------	------	------	------	------

V/BW X/CW	.299	.364	.427	.534	.673	.780	.887
--------------	------	------	------	------	------	------	------

V/BW X/CW	.299	.364	.427	.534	.673	.780	.887
--------------	------	------	------	------	------	------	------

V/BW X/CW	.299	.364	.427	.534	.673	.780	.887
--------------	------	------	------	------	------	------	------

V/BW X/CW	.299	.364	.427	.534	.673	.780	.887
--------------	------	------	------	------	------	------	------

V/BW X/CW	.299	.364	.427	.534	.673	.780	.887
--------------	------	------	------	------	------	------	------

V/BW X/CW	.299	.364	.427	.534	.673	.780	.887
--------------	------	------	------	------	------	------	------

V/BW X/CW	.299	.364	.427	.534	.673	.780	.887
--------------	------	------	------	------	------	------	------

V/BW X/CW	.299	.364	.427	.534	.673	.780	.887
--------------	------	------	------	------	------	------	------

V/BW X/CW	.299	.364	.427	.534	.673	.780	.887
--------------	------	------	------	------	------	------	------

V/BW X/CW	.299	.364	.427	.534	.673	.780	.887
--------------	------	------	------	------	------	------	------

MACH (2) = 1.232 BETAT (2) = -4.050

V/BW X/CW	.299	.364	.427	.534	.673	.780	.887
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AMES 11-707 1A9 O2A + S3 + T9 LOWER WING

(R04L21)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = 1.232 BETAT (2) = -4.030

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.190			.0230	-.1110	-.3390	-.1080	-.4050
.177	-.1320						
.229		-.0600					
.246				.0720	.0500	-.1100	-.3440
.250							
.362	-.0820			.0210	.0310		-.1010
.400			.0240				
.402							
.497	.2210			-.0710	-.1530		
.530							
.565			-.0550				-.1110
.600						-.2110	
.630	-.0780						
.700				-.2730	-.2880		
.723						-.2700	-.2890
.730							
.775			-.3170				
.780				-.3340	-.3400		
.808			-.2940				
.804	-.2380			-.4130	-.3810	-.3780	
.850			-.3880				
.857							-.2780
.865	-.4130			-.4320			
.900	-.3030		-.5180				
.905				-.4670	-.4710	-.4550	
.950							
.953			-.4440				
.965	-.3780						
Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.1140	-.1930	.0180	.4170	.4230	.3780	.3010
.050				-.4240	-.4050	-.5320	-.5050
.061			-.0320				
.166		-.1820					
.094	-.1190			.0280	-.3320	-.2550	-.4800
.150			-.0260				
.177	-.1770						
.229		-.0580					
.246				-.0370	-.0420	-.1960	-.4120
.250							
.362	-.0590			-.0630	-.0520		-.1100
.400							
.402			-.0590				
.497							
.530							
.565							
.600							
.630							
.700							
.723							
.730							
.775							
.780							
.808							
.804							
.850							
.857							
.865							
.900							
.905							
.950							
.953							
.965							

MACH (2) = 1.230 BETAT (3) = .000



DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

(RBNL21)

PAGE 1667

ANCS 11-707 1A9 OCA + S3 + T9 LOWER WING

SECTION (2) LOWER WING

DEPENDENT VARIABLE CP

WACH (2) = 1.230 BETAT (3) = .0820

V/B4 X/C4	.299	.364	.427	.534	.673	.780	.867
.530			-.1590	-.1640	-.2590		-.1800
.565						-.2430	
.600							
.634							
.669							
.703							
.738							
.773							
.808							
.843							
.878							
.913							
.948							
.983							
.000							
.035							
.070							
.105							
.140							
.175							
.210							
.245							
.280							
.315							
.350							
.385							
.420							
.455							
.490							
.525							
.560							
.595							
.630							
.665							
.700							
.735							
.770							
.805							
.840							
.875							
.910							
.945							
.980							
.015							
.050							
.085							
.120							
.155							
.190							
.225							
.260							
.295							
.330							
.365							
.400							
.435							
.470							
.505							
.540							
.575							
.610							
.645							
.680							
.715							
.750							
.785							
.820							
.855							
.890							
.925							
.960							
.995							
.030							
.065							
.100							
.135							
.170							
.205							
.240							
.275							
.310							
.345							
.380							
.415							
.450							
.485							
.520							
.555							
.590							
.625							
.660							
.695							
.730							
.765							
.800							
.835							
.870							
.905							
.940							
.975							
.010							
.045							
.080							
.115							
.150							
.185							
.220							
.255							
.290							
.325							
.360							
.395							
.430							
.465							
.500							
.535							
.570							
.605							
.640							
.675							
.710							
.745							
.780							
.815							
.850							
.885							
.920							
.955							
.990							
.025							
.060							
.095							
.130							
.165							
.200							
.235							
.270							
.305							
.340							
.375							
.410							
.445							
.480							
.515							
.550							
.585							
.620							
.655							
.690							
.725							
.760							
.795							
.830							
.865							
.900							
.935							
.970							
.005							
.040							
.075							
.110							
.145							
.180							
.215							
.250							
.285							
.320							
.355							
.390							
.425							
.460							
.495							
.530							
.565							
.600							
.635							
.670							
.705							
.740							
.775							

WACH (2) = 1.230 BETAT (4) = 4.130

AMES 11-707 1A9 OEA + S3 + T9 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACM (2) = 1.246 BETAT (4) = 4.130

Y/BA X/CA	.299	.364	.427	.534	.673	.780	.887
.808			-.3740				
.834	-.3090			-.4710	-.4630	-.4440	
.850			-.4060				
.867	-.2900			-.5160			-.3480
.885	-.2800						
.900			-.4130		-.2480	-.4720	-.4980
.905							
.920			-.3080				
.935	-.2220						
.965							
Y/BA X/CA	.299	.364	.427	.534	.673	.780	.887
.000	-.3620	-.2840	.1400	.4020	.2080	.1680	.1470
.020				-.2390	-.5190	-.6180	-.5780
.081		-.2180	.1080				
.096	-.2250			-.1540	-.1720	-.3720	-.5610
.150			-.0120				
.177	-.2240						
.229		.1380					
.246				-.1340	-.1580	-.3720	-.5340
.250							
.362	-.0020			-.1570	-.1670		-.0510
.400			-.1740				
.402							
.497	-.0140			-.2220	-.2080		
.590			-.2170				-.2510
.595							
.600						-.3180	
.650							
.700	-.2150			-.3700		-.3940	-.3740
.725							
.750			-.4350				
.760				-.4340	-.4580		
.775			-.4150				
.806							
.834	-.2830			-.5150	-.4970	-.4060	
.850			-.3610				
.857							
.885	-.2790			-.5390			-.3060
.910	-.2670						
.915			-.3420		-.3260	-.5460	-.5390
.950							
.955			-.3310				

MACM (2) = 1.247 BETAT (5) = 8.280

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TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 OCA + S3 + T9 LOWER WING

(RBM.21)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

	V/BW	.299	.364	.427	.534	.673	.780	.887
WCH (2) = 1.247 BETAT (5) = 0.283	V/CM							
		.965	-.2310					

ANES 11-707 1A9 02A + S3 + T9 LOWER WING

R084222 (27 APR 73)

REFERENCE DATA

SREF = 2.4210 30. FT. XREF = 20.3300 INCHES
 LREF = 39.6490 INCHES YREF = .0000 INCHES
 BREF = 39.6490 INCHES ZREF = .0000 INCHES
 SCALE = .0300 SCALE

ALPHA = -6.000 ORGINC = .350
 RUDDER = -10.000 ELEVON = .000
 RUDDLR = .000

PARAMETRIC DATA

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = 1.101 BETAT (1) = -8.180

V/BA X/CA	.299	.364	.427	.534	.673	.760	.667
.000	-.1130	-.1760	.3360	.7340	.6770	.6310	.6020
.030			.2240	-.0320	-.1900	-.3120	-.4120
.061		-.0470					
.094		-.1720		.1790	.0360	-.0670	-.1290
.130							
.177		-.0770		.2060			
.229			.2860				
.246				.0640	.0030	.0430	-.0220
.290		.3110		.0660	.0360		-.0190
.400			.0900				
.402		.3100		-.0670	-.1730		-.1910
.497							
.560			-.0680				
.565							
.600							
.690		-.0700		-.2310		-.2370	
.700							
.725							
.730			-.3720				
.760				-.3490	-.3730		
.775				-.3670			
.816		-.3490		-.4660	-.4240	-.4730	
.834							
.850			-.3460				
.857							
.865		-.3610		-.3610			-.3940
.910		-.4940		-.3360			
.916				-.3690	-.3270	-.3630	
.930							
.933			-.2460				
.965		-.2220					
V/BA X/CA	.299	.364	.427	.534	.673	.760	.667
.1461	-.1660	-.2130	.4510	.6420	.5690	.3420	.4990
.1591			.1720	-.1920	-.2340	-.6170	-.5190
.161							
.166		-.0530					
.194		-.2070					

MACH (1) = 1.087 BETAT (2) = -4.080

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

AMES 11-707 IAG OGA + S3 + T9 LOWER WING

(RBM422)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = 1.097 BETAT (2) = -4.080

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.150			.1280	.0830	-.0430	-.1650	-.2720
.177	-.1400						
.229		.2130					
.246				-.0100	-.0930	-.0720	-.1800
.250							
.362	.2530			-.0300	-.0460		-.0470
.400			-.0440				
.402							
.497	.2180			-.1370	-.2270		
.550			-.1590				
.565						-.2800	-.2210
.600					-.3750		
.650	-.1930					-.3650	-.4050
.700				-.3770			
.725							
.750			-.4190				
.760				-.4210	-.4580		
.775			-.4240				
.808							
.834	-.3990			-.5190	-.5170	-.5280	
.850			-.3980				-.3680
.857							
.865	-.5960			-.3350			
.900	-.3120		-.2090				
.905				-.2050	-.3070	-.5330	
.930			-.1990				
.953	-.1690						
.965							
Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.2840	-.2320	.3630	.5470	.4700	.4230	.3780
.050				-.1420	-.3310	-.6770	-.5830
.081			.1390				
.166		.0430					
.194	-.2170			-.0180	-.0870	-.2210	-.4120
.190			.0610				
.177							
.229	.1690						
.246				-.0820	-.1550	-.1580	-.3420
.250							
.362	.1630						
.400				-.1480	-.1430		-.0740
.402			-.1690				
.497	.1150						

MACH (1) = 1.096 BETAT (3) = .020

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = 1.098 BETAT (3) = .020

V/BW X/CW	.299	.364	.427	.534	.673	.760	.887
.580			-.2370	-.2030	-.2930		-.2670
.565							
.670							
.690							
.700	-.2810			-.3940	-.4100	-.3160	
.725							
.730							
.760							
.775							
.808							
.834	-.4400						
.850							
.857							
.865	-.3980						
.900	-.3480						
.905							
.930							
.935							
.965	-.1900						
V/BW X/CW	.299	.364	.427	.534	.673	.760	.887
.000	-.3980	-.2710	.3180	.4730	.3780	.2880	.2430
.060							
.061							
.066							
.094	-.2310						
.130							
.177							
.229	.0540						
.246							
.250							
.362	.1480						
.410							
.412							
.497	-.0650						
.530							
.565							
.674							
.680							
.710	-.2070						
.725							
.730							
.764							
.775							

MACH (1) = 1.100 BETAT (4) = 4.140

V/BW X/CW	.299	.364	.427	.534	.673	.760	.887
.000	-.3980	-.2710	.3180	.4730	.3780	.2880	.2430
.060							
.061							
.066							
.094	-.2310						
.130							
.177							
.229	.0540						
.246							
.250							
.362	.1480						
.410							
.412							
.497	-.0650						
.530							
.565							
.674							
.680							
.710	-.2070						
.725							
.730							
.764							
.775							

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TABULATED PRESSURE DATA - 1A9A

(RBW.22)

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AMES 11-707 IAS Q2A + S3 + T9 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = 1.100 BETAT (4) = 4.140

Y/BW X/CN	.299	.364	.427	.534	.673	.760	.867
.808			-.4650				
.834	-.3130			-.5900	-.5200	-.5190	
.850			-.3910				
.857				-.2940			-.4170
.865	-.2830						
.900	-.2620		-.3610				
.905				-.2390	-.3290	-.5730	
.950			-.2220				
.953							
.965	-.2120						
Y/BW	.299	.364	.427	.534	.673	.760	.867
X/CN							
.070	-.5480	-.2120	.3090	.4310	.2990	.1980	.1290
.090			.1230	-.1230	-.3590	-.7770	-.5960
.081		.0630					
.086							
.094	-.2820			-.0690	-.1090	-.2870	-.5940
.130			.0290				
.177	-.0130						
.229		.1100					
.246				-.1300	-.2130	-.2330	-.4310
.250							
.362	.0720			-.1680	-.1680		-.0310
.400			-.1920				
.402							
.497	.0480			-.2460	-.3030		
.530			-.2600				-.2780
.565							
.600						-.3480	
.650							
.700	-.2290			-.4080		-.4190	
.725						-.4290	-.4210
.750							
.760			-.4420				
.775				-.4790	-.4810		
.808			-.3320				
.834	-.2710			-.4830	-.5380	-.5320	
.850			-.3250				
.857							
.865	-.2710			-.4310			-.4180
.900	-.2680						
.905			-.3030				
.950				-.2270	-.2610	-.4140	
.953							
.965			-.3210				

MACH (1) = 1.099 BETAT (5) = 0.280

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TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 CGA + S3 + T9 LOWER WING

(FBWL22)

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SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = 1.247 BETAT (3) = -2.063

V/BW X/CN	.299	.364	.427	.534	.673	.780	.887
.130			.1440	.1470	-.1160	-.0960	-.2870
.177	-.1490						
.229		-.0840					
.246				.0060	.0340	-.0130	-.1580
.250				.0380	.0480		.0090
.362	-.1010						
.400			.0460				
.432				-.0310	-.1020		
.497	.2620						
.550			-.0370				
.565					-.1490		-.1180
.670							
.690					-.2410		
.740	-.0540			-.2330			
.725						-.2480	-.2630
.790			-.2840				
.775				-.3060	-.3150		
.818			-.2660				
.834	-.2200			-.3780	-.3740	-.3680	
.890			-.3910				
.857							
.865	-.4000			-.4000			-.2790
.910	-.5040		-.5140				
.915				-.4730	-.4540	-.4430	
.950							
.953			-.4110				
.965	-.3420						
V/BW X/CN	.299	.364	.427	.534	.673	.780	.887
.146	-.1690	-.1530	.1140	.5350	.4920	.4690	.4650
.050				-.2870	-.2960	-.4860	-.4280
.141			.1430				
.146		-.1750					
.134	-.1710			.0580	-.1090	-.1660	-.3410
.151							
.177			.0690				
.229	-.1790						
.246		.0570					
.250				-.0060	-.0420	-.0910	-.2530
.362	-.1440						
.400				-.0350	-.1020		.0670
.432			-.1020				
.497	.1720						

MACH (2) = 1.250 BETAT (3) = .020

AMES 11-707 1A9 O2A + S3 + T9 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = 1.251 BETAT (3) = .120

Y/BW X/CW	.299	.364	.427	.534	.673	.760	.867
.550			-.1340	-.1340	-.1600		-.1700
.565						-.2210	
.600					-.3040		
.690				-.2990		-.3060	-.3600
.700	-.1440						
.725							
.750			-.3440				
.760			-.3600	-.3600			
.775			-.3220				
.806				-.4360	-.4150	-.4180	
.834	-.2690						
.890			-.4290				
.857				-.4490			-.3390
.865	-.4400						
.900	-.3600		-.5430	-.5070	-.5010	-.4600	
.905							
.950			-.3770				
.933							
.965	-.3670						
Y/BW X/CW	.299	.364	.427	.534	.673	.760	.867
.070	-.2660	-.1770	.1510	.4660	.4000	.3560	.3610
.080			.0900	-.2040	-.3930	-.5410	-.4910
.081		-.2000					
.086				-.0810	-.0830	-.2160	-.4240
.194	-.1930		.0460				
.150							
.177							
.229	-.2020						
.246		.1190		-.1290	-.1460	-.1670	-.3230
.250							
.362	.0760			-.0740	-.0600		.0350
.400							
.402			-.0750				
.497	-.1010			-.1910	-.2290		
.550							
.565			-.1760				-.1670
.640						-.2300	
.690							
.700	-.1930			-.3170	-.3290		
.725						-.3070	-.3190
.750							
.760							
.775				-.3530	-.3710	-.3710	

MACH (2) = 1.250 BETAT (4) = 4.120



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TABULATED PRESSURE DATA - 1A9A

(R04L22)

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AMES 11-707 1A9 O2A + S3 + T9 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = 1.250 BETAT (4) = 4.120

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.808			-.3570				
.834	-.3120			-.4380	-.4140	-.3990	
.850			-.4780				
.857				-.4780			-.3330
.865	-.2930			-.4780			
.900	-.2500		-.4280	-.2630	-.4810	-.4750	
.905							
.950			-.2980				
.953							
.965	-.2120						

MACH (2) = 1.249 BETAT (5) = 8.230

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.4150	-.2550	.2860	.4370	.3200	.2560	.2360
.050			.1230	-.2040	-.4250	-.5650	-.4740
.081		-.1310					
.086							
.094	-.2360			-.0830	-.0240	-.2440	-.4730
.150			.0210				
.177	-.2390						
.229		.1590					
.246				-.1040	-.1460	-.2080	-.3490
.250							
.362	.0450						
.400			-.1400				-.0030
.402							
.497	-.0610						
.550			-.1690	-.1690	-.2270		
.565			-.1960				-.2260
.600						-.2840	
.650					-.3560		
.700	-.1990			-.3500		-.3560	-.3540
.725							
.750			-.4130				
.760			-.4060	-.4150			
.775							
.808			-.4080				
.834	-.2690			-.4870	-.4530	-.4470	
.850			-.4300				
.857							
.865	-.2910			-.5270			-.3700
.900	-.2530						
.905			-.3630	-.3750	-.5190	-.5110	
.950							
.953			-.3010				

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TABLATED PRESSURE DATA - 1A9A

(R09L22)

AMES 11-707 1A9 O2A + S3 + T9 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

	Y/CM	.293	.364	.427	.534	.673	.760	.887
MACH (2) = 1.249	X/CM							
		.965	-.2140					

DATE 20 SEP 73

CALCULATED PRESSURE DATA - 1A9A

AMES 11-707 IAS OEA + S3 + T9 LOWER WING

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(RBM423) (27 APR 73)

REFERENCE DATA

WREF = 2.4210 SQ.FT. AREA = 28.5300 INCHES
 LREF = 39.8490 INCHES WREF = .0000 INCHES
 BREF = 39.8490 INCHES ZWREF = .0000 INCHES
 SCALE = .0000 SCALE

ALPHAT = -4.0000 CRIBINC = .500
 RUDDER = -10.0000 ELEVON = .000
 RUDDLR = .000

PARAMETRIC DATA

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = 1.099 BETAT (1) = -8.200

V/B4 X/CW	.299	.364	.427	.534	.673	.780	.867
.000	-.1170	-.1000	.5560	.7630	.7080	.6910	.6490
.050			.3000	.0990	.0280	-.2190	-.2360
.081		-.0240					
.086				.2200	.1030	-.0090	.0600
.094	-.1490						
.190			.2590				
.177							
.229	-.0670	.3030					
.246				.1110	.1010	.1100	.0670
.250							
.362	.3320		.0890	.1270	.0890		.0260
.400			.0890				
.402							
.497	.3340			-.0240	-.1320		-.1790
.590			-.0140				
.565							
.600							
.690							
.700	.0010			-.2280	-.2900	-.2090	-.3910
.725							
.750							
.780			-.3610	-.3420	-.3440		
.775			-.3750				
.806							
.834	-.3360			-.4620	-.4270	-.4410	
.890			-.5310				
.857							
.865	-.5520			-.5530			-.3310
.910	-.4660		-.4010				
.905				-.4210	-.5530	-.5230	
.930			-.2490				
.953							
.965	-.2160						
V/B4 X/CW	.299	.364	.427	.534	.673	.780	.867
.160	-.1960	-.1420	.4630	.6830	.6220	.5960	.3490
.050			.2390	.0100	-.1740	-.3670	-.3640
.161							
.186		.0240					
.194	-.1630						

MACH (1) = 1.097 BETAT (2) = -4.090

SECTION (1) LOWER WING

MACH (1) = 1.037 BETAT (2) = -4.080

DEPENDENT VARIABLE CP

V/BW X/CM	.299	.364	.427	.534	.673	.760	.807
.150			.1760	.1530	.0450	-.0880	-.0710
.177	-.1350						
.229		.2490					
.246				.0270	-.0140	.0180	.0040
.250							
.362	.2790			.0130	.0070		-.0110
.400			-.0050				
.402							
.497	.2470			-.1050	-.1990		
.550							
.565			-.1210				-.2280
.600						-.1.120	
.650					-.3430		
.700	-.1480			-.3180		-.3630	-.3980
.725							
.750			-.3680				
.760				-.3840	-.4150		
.775			-.4020				
.808							
.834	-.3980			-.4970	-.4780	-.5080	
.850			-.5410				
.857							
.865	-.5380			-.3980			-.4040
.900	-.5840			-.1080			
.905				-.2140	-.5680	-.5790	
.950			-.1910				
.955							
.965	-.1610						
V/BW X/CM	.299	.364	.427	.534	.673	.760	.807
.000	-.2870	-.1750	.4140	.5980	.5150	.4950	.4470
.050			.1950	-.0580	-.1550	-.4950	-.4250
.061		.0630					
.066							
.094	-.1020			.0570	-.0280	-.1630	-.2160
.150			.1070				
.177		.0640					
.229			.1980				
.246				-.0450	-.1100	-.0850	-.1120
.250							
.362	.2070			-.1080	-.0680		-.0650
.400							
.402			-.1250				
.497	.1410						

MACH (1) = 1.101 BETAT (3) = .080

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TABULATED PRESSURE DATA - 1A9A

(RBM 23)

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AMES 11-707 1A9 OCA + S3 + T9 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = 1.11 BETAT (3) = .082

Y/BA X/CA	.299	.364	.427	.534	.673	.760	.867
.350							
.565							
.600							
.650							
.700							
.725							
.750							
.763							
.779							
.806							
.834							
.850							
.867							
.865							
.900							
.905							
.920							
.935							
.965							
.000							
.030							
.061							
.066							
.094							
.150							
.177							
.229							
.246							
.250							
.362							
.400							
.402							
.497							
.550							
.565							
.640							
.650							
.700							
.725							
.750							
.760							
.775							

MACH (1) = 1.102 BETAT (4) = 4.140

Y/BA X/CA	.299	.364	.427	.534	.673	.760	.867
.000							
.030							
.061							
.066							
.094							
.150							
.177							
.229							
.246							
.250							
.362							
.400							
.402							
.497							
.550							
.565							
.640							
.650							
.700							
.725							
.750							
.760							
.775							

AMES 11-T07 1A9 OCA + S3 + T9 LOWER WING

(RBM4.23)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

WACH (2) = 1.249 BETAT (2) = -4.060

Y/BM X/CM	.229	.364	.427	.534	.673	.760	.667
.150			.2000	.1900	.1300	.0060	-.0490
.177	-.1200						
.229		-.0020					
.246				.1150	.0570	.0660	.0300
.250							
.362	-.0660			.0630	.0790		.1090
.400			.0740				
.402							
.497	.2840			.0020	-.0660		
.590							
.565			-.0030				-.0810
.600						-.1230	
.630				-.2010			
.700	-.0230			-.1960		-.2210	-.2530
.725							
.730			-.2420				
.760				-.2670	-.2760		
.775			-.2470				
.806							
.834	-.2070			-.3660	-.3430	-.3480	
.890							
.857			-.3660				
.865	-.3660			-.3740			-.2740
.900	-.4960						
.905			-.4930				
.990			-.4470	-.4230	-.4270		
.953			-.5100				
.965	-.3810						
WACH (2) = 1.249 BETAT (3) = .010							
Y/BM X/CM	.239	.364	.427	.534	.673	.760	.667
.000	-.1660	-.1170	.1960	.5770	.5400	.5310	.5190
.090				-.0930	-.1600	-.3660	-.3040
.061			.1640				
.066		-.1360					
.094	-.1520			.0960	.0790	-.0560	-.1690
.150			.1700				
.177	-.1730						
.229		.1540					
.246				.0400	-.0120	-.0070	-.0360
.250							
.362	.0670			-.0060	.0100		.0620
.400							
.402			-.0150				
.497	.1910						

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TABULATED PRESSURE DATA - 1A9A

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AMES 11-707 1A9 O2A + S3 + T9 LOWER WING

(RBW.23)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = 1.248 BETAT (3) = .010

V/BW X/CM	.299	.364	.427	.534	.673	.780	.887
.580							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							
.808							
.834							
.850							
.857							
.865							
.900							
.905							
.950							
.953							
.965							
.000	.299	.364	.427	.534	.673	.780	.887
.020	-.3270	-.1600	.2220	.5150	.4970	.4210	.4370
.061			.1490	-.0790	-.2760	-.4500	-.3620
.086							
.084							
.150							
.177							
.229							
.246							
.250							
.362							
.400							
.412							
.497							
.550							
.565							
.600							
.650							
.716							
.725							
.750							
.760							
.775							

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = 1.247 BETAT (4) = 4.125

Y/BW
X/CW

.806	.299	.364	.427	.534	.673	.780	.887
.834	-.3120		-.3340				
.890				-.3040	-.3790	-.3680	
.857			-.4590				
.865	-.3010			-.4310			-.3240
.920	-.2460			-.4610			
.905				-.2890	-.4510	-.4610	
.950							
.933			-.2480				
.965	-.1790						

MACH (3) = 1.266 BETAT (5) = 0.210

Y/BW
X/CW

.000	.299	.364	.427	.534	.673	.780	.887
.090	-.4400	-.2440	.2890	.4610	.3630	.3360	.3400
.061				-.0980	-.2390	-.4290	-.3510
.086		-.0310	.1150				
.094	-.2830			.0000	.0920	-.1330	-.2710
.150			.0820				
.177							
.229	-.1980	.1140					
.246				-.0980	-.1040	-.1140	-.1300
.250							
.362	.0560			-.0800	-.0760		-.0060
.400			-.0910				
.402							
.497	.0090			-.1690	-.2120		
.530			-.1640				-.2070
.565						-.2370	
.620							
.650							
.700	-.1990			-.3110	-.3230		
.725						-.3190	-.3400
.750			-.4080				
.760				-.3760	-.3730		
.775							
.818			-.3940				
.834	-.2640			-.4690	-.4150	-.4230	
.850							
.857			-.3910				
.865	-.2740						-.3530
.910	-.2490			-.3340	-.3050		
.915							
.931				-.4010	-.4980	-.4910	
.933			-.2690				

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TABLED PRESSURE DATA - 1A9A

AMES 11-707 1A9 02A ♦ S3 ♦ 19 LOWER WING

(KBM 23)

SECTION (LOWER WING

DEPENDENT VARIABLE CP

MACM (2) = 1.246	BETAT (5) = 0.210					
		V/BA				
		X/CA				
		.299	.364	.427	.534	.673
		.965	-.210			.700
						.887

.965 -.2105

16.

2100

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WCS 11-707 1A9 02A + 32 + 73 LOWER WING

REFERENCE DATA

SECF = 2.4300 SA.FT. ZREF = 28.5300 INCHES
 LREF = 39.8494 INCHES YREF = .0000 INCHES
 BREF = 39.8494 INCHES ZREF = .0000 INCHES
 SCALE = .0300 SCALE

ALPHAT = -2.0000 CRBINC = .500
 RUDDER = -10.0000 ELEVON = .000
 RUOFFL = .0000

PARAMETRIC DATA

SECTION (1) LOWER WING

WACH (1) = 1.100 BETAT (1) = -0.200

DEPENDENT VARIABLE CP

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.1200	-.0640	.5430	.7650	.7060	.7160	.6540
.050			.3650	.2160	.1870	.0820	.0670
.100							
.150							
.200							
.250							
.300							
.350							
.400							
.450							
.500							
.550							
.600							
.650							
.700							
.750							
.800							
.850							
.900							
.950							
.994							

WACH (1) = 1.090 BETAT (2) = -0.090

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.1940	-.1190	.4070	.6960	.6350	.6280	.5710
.050			.3010	.1150	.0840	-.0340	-.1170
.100							
.150							
.200							
.250							
.300							
.350							
.400							
.450							
.500							
.550							
.600							
.650							
.700							
.750							
.800							
.850							
.900							
.950							
.994							

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TAGLATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 OCA + S3 + T9 LOWER WING

(RBM24)

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SECTION (1) LOWER WING

DEPENDENT VARIABLE CF

MACH (1) = 1.098 BETAT (2) = -4.034

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.150			.2220	.1994	.1030	-.0020	.0610
.177	-.1290						
.229		.2800					
.246				.0680	.0690	.1040	.0750
.250				.0770	.0600		.0230
.362	.2940						
.400			.0330				
.402							
.497	.2650			-.0660	-.1610		
.550							
.565			-.0730				
.600							-.2280
.650					-.3050		
.700	-.1090			-.2400			
.725							-.3320
.750							-.3620
.760			-.3760				
.775				-.3510	-.3480		
.808			-.3890				
.834	-.3620			-.4920	-.4320	-.4800	
.857			-.5450				
.865	-.5700			-.4820			-.3840
.900	-.2750		-.1720				
.905				-.2100	-.5380	-.5360	
.950			-.1550				
.953							
.965	-.1430						
Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.3210	-.1470	.4020	.6060	.5450	.5410	.4880
.050			.2370	.0270	-.0100	-.1630	-.2510
.081		.0890					
.086							
.094	-.2090			.1260	.0410	-.0940	-.1250
.150			.1330				
.177		.0650					
.229			.2110				
.246				-.0240	-.0380	-.0440	.0110
.250							
.362	.2110			-.0690	-.0310		-.0140
.400			-.0940				
.402							
.497	.1480						

MACH (1) = 1.098 BETAT (3) = .030

AMES 11-707 1A9 OEA + S3 + T9 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = 1.098 BETAT (3) = .030

V/BW X/CM	.299	.364	.427	.534	.673	.760	.887
.550			-.1510	-.1460	-.2040		-.2280
.565						-.2580	
.620					-.2900		
.690	-.1740			-.2960		-.3610	-.4000
.700							
.725							
.790				-.4300			
.790				-.3670	-.3560		
.775				-.4290			
.808				-.5180	-.4590	-.4690	
.834	-.4240						
.890				-.5570			
.857				-.2100			-.4010
.865	-.4300						
.910	-.2740			-.2040			
.905				-.1760	-.3740	-.3590	
.950							
.953				-.1610			
.965	-.1420						
V/BW X/CM	.299	.364	.427	.534	.673	.760	.887
.000	-.4680	-.1730	.3420	.5460	.4610	.4700	.4270
.050			.1960	-.0330	-.1130	-.2970	-.3330
.061							
.066			.0990				
.084	-.2260			.0100	-.0060	-.1340	-.0820
.150			.0690				
.177							
.229	.0760						
.246		.1010		-.0590	-.1080	-.0410	-.0240
.250							
.362	.1660			-.0960	-.0540		-.0310
.400							
.412				-.1330			
.497	-.0070			-.1190	-.1560		
.550							
.565				-.1340			
.600						-.2360	-.2500
.690					-.3130		
.700	-.1610			-.2940		-.3440	-.3690
.725							
.750							
.760				-.4390	-.4130	-.1910	
.775							

MACH (1) = 1.097 BETAT (4) = 4.130

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TABULATED PRESSURE DATA - 1A9A

(RBM 24)

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AMES 11-707 1A9 OEA + S3 + T9 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = 1.097 BETAT (4) = 4.130

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.806	-.3290		-.4380				
.834				-.5480	-.4790	-.4910	
.850			-.4320				
.857							
.865	-.2570			-.2760			-.3810
.902	-.2490						
.915			-.3350				
.950				-.1940	-.3300	-.5740	
.953			-.1700				
.965	-.1580						
Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.6200	-.1040	.2630	.4630	.3940	.3880	.3400
.050			.2191	.0250	-.0780	-.1670	-.2540
.081		.0860					
.086							
.094	-.2720			.0510	-.0140	-.1070	-.0410
.150			.1040				
.177							
.229		.1400					
.246				-.0620	-.0720	-.0140	-.0040
.250							
.362	.1210			-.0520	-.0590		-.0500
.400			-.1090				
.402							
.487	.0730						
.550			-.1550	-.1530	-.2130		
.565							-.2220
.600						-.2180	
.680							
.700	-.2180			-.3430		-.3060	
.725							-.3320
.750			-.3640				-.3780
.780				-.3410	-.3620		
.775			-.2710				
.808							
.834	-.2420			-.4110	-.4640	-.4870	
.850							
.857			-.2650				
.865	-.2410			-.4210			-.3620
.910	-.2220						
.915			-.2760	-.3070	-.4020	-.5630	
.950							
.953			-.2760				

MACH (1) = 1.101 BETAT (5) = 8.250

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = 1.101 BETAT (5) = 0.250

V/BM X/CM	.299	.364	.427	.534	.673	.760	.887
.965	-.2280						

MACH (2) = 1.246 BETAT (1) = -0.150

V/BM X/CM	.299	.364	.427	.534	.673	.760	.887
.070	.0030	.0030	.4000	.6190	.7620	.7640	.7060
.080			.3530	.2150	.1710	.0510	.0310
.086		-.0220					
.094	-.0390			.3470	.2630	.1350	.1940
.150			.3490				
.177	-.0360						
.229		.2800					
.246				.2300	.2040	.2360	.2160
.250							
.362	-.0080			.2140	.2090		.1970
.400			.2020				
.412							
.497	.4230						
.550			.0950	.0960	.0070		
.565							-.0950
.600						-.0640	
.690	.0800			-.1320			
.700				-.0830		-.1610	-.2020
.725							
.750			-.1567				
.760				-.1520	-.2060		
.773			-.1930				
.808							
.834	-.1560			-.2760	-.2570	-.2930	
.850			-.3300				
.857							
.865	-.3420			-.3530			-.2270
.900	-.4550						
.905			-.4630				
.920			-.4270	-.3640	-.3720		
.953			-.5020				
.965	-.4150						
V/BM X/CM	.299	.364	.427	.534	.673	.760	.887
.000	-.0680	-.0630	.3080	.7170	.6690	.6760	.6320
.050				.1230	.0690	-.0690	-.0690
.061			.2710				
.066		-.0690					
.094	-.0920						

MACH (3) = 1.249 BETAT (2) = -4.070

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TABULATED PRESSURE DATA - 1A9A

(R0M4.241)

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AMES 11-T07 1A9 O2A + S3 + T9 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = 1.249 BETAT (2) = -4.070

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.897
.190			.2700	.2460	.2070	.0700	.1090
.177							
.229		.1110					
.246				.1620	.1150	.1510	.1540
.250							
.362		-.0570		.1350	.1450		.1540
.400			.1220				
.402							
.497	.3240			.0360	-.0290		
.550							
.565			.0280				-.0720
.600						-.0960	
.650					-.1740		
.700	.0020						
.725				-.1710			
.750					-.1970	-.2360	
.760			-.1980				
.775			-.2190	-.2590			
.808			-.2200				
.824	-.1900			-.2690	-.3160	-.3280	
.850			-.3470				-.2690
.857							
.865	-.3740			-.3520			
.900	-.4600						
.905			-.4760				
.930				-.4360	-.3970	-.4100	
.950			-.5100				
.965	-.3110						
Y/BW X/CW	.299	.364	.427	.534	.673	.780	.897
.000							
.050	-.2190	-.1240	.2590	.6390	.5690	.3660	.5470
.060			.2440	.0990	.0160	-.1260	-.1210
.081							
.086			-.1250				
.094							
.150				.1620	.1460	.0130	.0360
.177							
.229	-.1500		.2090				
.246		.2170					
.250				.0640	.0420	.1660	.1730
.362		.1160					
.400				.0270	.0540		.1630
.402			.0160				
.497							
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							
.808							
.824							
.850							
.857							
.865							
.900							
.905							
.930							
.950							
.965							

MACH (2) = 1.249 BETAT (3) = .020

AMES 11-707 1A9 OGA + S3 + 1st LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = 1.249 BETAT (3) = .080

	V/BW X/V	.299	.364	.427	.534	.673	.780	.887
.590				-.0367	-.0570	-.1130		-.1240
.565							-.1570	
.620								
.690								
.707								
.725								
.790								
.760								
.775								
.629								
.834								
.890								
.857								
.865								
.900								
.905								
.950								
.935								
.965								
V/BW X/CL	.299	.364	.427	.534	.673	.780	.887	
.000	-.3690	-.1440	.2650	.5550	.4700	.4770	.4610	
.050			.2060	.0220	-.0630	-.2160	-.1660	
.081			-.1580					
.086								
.094			-.1940					
.150								
.177								
.229								
.246								
.290								
.362								
.400								
.402								
.497								
.550								
.565								
.600								
.690								
.700								
.725								
.750								
.760								
.775								

MACH (2) = 1.249 BETAT (4) = 4.110

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TABULATED PRESSURE DATA - 1A9A
AVES 11-707 1A9 02A + S3 + T9 LOWER MINE

(R04L24)

SECTION (1) LOWER MINE

DEPENDENT VARIABLE CP

MACN (2) = 1.249 BETAT (4) = 4.110

Y/BW X/CM	.259	.364	.427	.534	.673	.780	.887
.808			-.3190				
.834	-.3090			-.3490	-.3430	-.3580	
.850			-.4270				
.857	-.3330			-.4070			-.2320
.865	-.2420		-.4880				
.900			-.2610	-.4690	-.4110	-.4420	
.905							
.930	-.1930						
.953							
.965							

MACN (2) = 1.249 BETAT (4) = 8.200

Y/BW X/CM	.259	.364	.427	.534	.673	.780	.887
.000	-.4490	-.1760	.2200	.9000	.4080	.4050	.3040
.080			.1980	.0920	-.0430	-.1730	-.2100
.081		.0000					
.086	-.2520			.0690	.1960	-.0790	-.0600
.094			.1380				
.150							
.177	-.1420						
.229		.1290					
.246				-.0100	-.0630	-.0990	-.0200
.250							
.362	.0000			-.0430	-.0410		.0160
.400			-.0480				
.402	.0530			-.1330	-.1630		
.497			-.1480				
.550							
.565							
.600						-.2030	-.1720
.680	-.1580			-.2710			
.700				-.2790		-.2820	-.3270
.725							
.750			-.3650				
.760				-.3510	-.3370		
.775			-.3430				
.818							
.834	-.2230			-.4400	-.3910	-.3960	
.850			-.3310				
.857							
.865	-.2390			-.4640			-.3420
.900	-.2210						
.905			-.3130	-.4190	-.4780	-.4720	
.950							
.953			-.2780				

TABLED PRESSURE DATA - IADA

(00ML24)

AVES 11-707 149 CBA + 33 + 79 LOWER WING

DATE 20 SEP 73

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

WACH (2) = 1.248 BETAT (3) = 0.200

	Y/DA	.259	.364	.427	.534	.673	.780	.887
X/CH	.965	-.1000						

TABULATED PRESSURE DATA - 1A9A
 ANES 11-707 1A9 Q2A + S3 + T9 LOWER WING

REFERENCE DATA

SRF =	2.4210	Sq.Ft.	XRP =	28.3300	INCHES
LPF =	39.8490	INCHES	YRP =	.0000	INCHES
ZRF =	39.8490	INCHES	ZRP =	.0000	INCHES
SCALE =		1000 SCALE			

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

WACH (1) = 1.098 BETAT (1) = -0.210

187. 188. 189.

3

ALPHAT =	.000	ORBNIC =	.500
RUDDER =	-10.000	ELEVON =	.000
RUDFLR =	.500		

Y/8W	.299	.364	.427	.534	.673	.760	.867
X/CW	-.1050	-.0340	.5210	.7520	.6830	.6950	.5080
.080			.4330	.3220	.3030	.2230	.2630
.061		.0640					
.066							
.094	-.0880		.3560	.3320	.2960	.2090	.2420
.140							
.177							
.229	.0360	.3770					
.246							
.290				.2430	.2580	.2320	.2180
.362	.3780			.2440	.1990		.1480
.403							
.402			-.2150				
.497	.3900			.0900	-.0630		
.550			.0670				
.565							
.600							
.650							
.700	.1430			-.1900	-.2090	-.1200	-.1090
.725							
.750							
.760			-.3380				
.775			-.3460	-.3120	-.2980		
.818							
.834	-.3100			-.4530	-.3680	-.4000	
.890							
.857			-.5020				
.965	-.5310			-.5250			-.2950
.940	-.5360						
.905			-.4130				
.930				-.5270	-.5280	-.4960	
.953			-.2280				
.965	-.1920						
Y/8W	.299	.364	.427	.534	.673	.760	.867
X/CW	-.2110	-.1190	.4620	.6090	.6180	.6280	.5360
.020				.2100	.1850	.0970	.1530
.030			.3570				
.061							
.066		.0420					
.094	-.1490						

MAC (1) = 1.095 BETAT (2) = -4.090

Variable	Mean	Standard deviation	Minimum	Maximum
Age	35.2	10.5	22	65
Gender	0.52	0.50	0	1
Marital status	0.68	0.47	0	1
Education	12.5	1.2	9	16
Income	15.2	3.5	10	25
Health	0.75	0.43	0	1
Smoking	0.35	0.48	0	1
Alcohol	0.25	0.43	0	1
Exercise	0.45	0.50	0	1
Stress	0.65	0.48	0	1
Depression	0.35	0.48	0	1
Loneliness	0.45	0.50	0	1
Social support	0.55	0.50	0	1
Life satisfaction	0.65	0.48	0	1
Quality of life	0.75	0.43	0	1
Overall health	0.85	0.35	0	1
Physical health	0.95	0.20	0	1
Mental health	0.75	0.43	0	1
Emotional health	0.65	0.48	0	1
Social health	0.55	0.50	0	1
Environmental health	0.45	0.50	0	1
Healthcare access	0.85	0.35	0	1
Health insurance	0.95	0.20	0	1
Healthcare costs	0.75	0.43	0	1
Healthcare quality	0.65	0.48	0	1
Healthcare satisfaction	0.55	0.50	0	1
Healthcare access (continued)	0.85	0.35	0	1
Health insurance (continued)	0.95	0.20	0	1
Healthcare costs (continued)	0.75	0.43	0	1
Healthcare quality (continued)	0.65	0.48	0	1
Healthcare satisfaction (continued)	0.55	0.50	0	1
Healthcare access (continued)	0.85	0.35	0	1
Health insurance (continued)	0.95	0.20	0	1
Healthcare costs (continued)	0.75	0.43	0	1
Healthcare quality (continued)	0.65	0.48	0	1
Healthcare satisfaction (continued)	0.55	0.50	0	1
Healthcare access (continued)	0.85	0.35	0	1
Health insurance (continued)	0.95	0.20	0	1
Healthcare costs (continued)	0.75	0.43	0	1
Healthcare quality (continued)	0.65	0.48	0	1
Healthcare satisfaction (continued)	0.55	0.50	0	1
Healthcare access (continued)	0.85	0.35	0	1
Health insurance (continued)	0.95	0.20	0	1
Healthcare costs (continued)	0.75	0.43	0	1
Healthcare quality (continued)	0.65	0.48	0	1
Healthcare satisfaction (continued)	0.55	0.50	0	1
Healthcare access (continued)	0.85	0.35	0	1
Health insurance (continued)	0.95	0.20	0	1
Healthcare costs (continued)	0.75	0.43	0	1
Healthcare quality (continued)	0.65	0.48	0	1
Healthcare satisfaction (continued)	0.55	0.50	0	1
Healthcare access (continued)	0.85	0.35	0	1
Health insurance (continued)	0.95	0.20	0	1
Healthcare costs (continued)	0.75	0.43	0	1
Healthcare quality (continued)	0.65	0.48	0	1
Healthcare satisfaction (continued)	0.55	0.50	0	1
Healthcare access (continued)	0.85	0.35	0	1
Health insurance (continued)	0.95	0.20	0	1
Healthcare costs (continued)	0.75	0.43	0	1
Healthcare quality (continued)	0.65	0.48	0	1
Healthcare satisfaction (continued)	0.55	0.50	0	1
Healthcare access (continued)	0.85	0.35	0	1
Health insurance (continued)	0.95	0.20	0	1
Healthcare costs (continued)	0.75	0.43	0	1
Healthcare quality (continued)	0.65	0.48	0	1
Healthcare satisfaction (continued)	0.55	0.50	0	1
Healthcare access (continued)	0.85	0.35	0	1
Health insurance (continued)	0.95	0.20	0	1
Healthcare costs (continued)	0.75	0.43	0	1
Healthcare quality (continued)	0.65	0.48	0	1
Healthcare satisfaction (continued)	0.55	0.50	0	1
Healthcare access (continued)	0.85	0.35	0	1
Health insurance (continued)	0.95	0.20	0	1
Healthcare costs (continued)	0.75	0.43	0	1
Healthcare quality (continued)	0.65	0.48	0	1
Healthcare satisfaction (continued)	0.55	0.50	0	1
Healthcare access (continued)	0.85	0.35	0	1
Health insurance (continued)	0.95	0.20	0	1
Healthcare costs (continued)	0.75	0.43	0	1
Healthcare quality (continued)				

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A
 ANES 11-707 1A9 CCA + S3 + T9 LOWER WING

(RBM.25)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = 1.099 BETAT (3) = .020

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							
.808							
.834							
.850							
.857							
.865							
.900							
.905							
.950							
.953							
.965							
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							
.808							
.834							
.850							
.857							
.865							
.900							
.905							
.950							
.953							
.965							

MACH (1) = 1.100 BETAT (4) = 4.130

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000							
.050							
.081							
.086							
.094							
.150							
.177							
.229							
.246							
.250							
.362							
.410							
.412							
.497							
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							

TABULATED PRESSURE DATA - 1A9A

AXES 11-707 1A9 ORA + S3 + 19 LOWER WING

(RDHLE25)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = 1.251 BETAT (4) = 4.110

Y/BW X/CW	.299	.304	.427	.534	.673	.780	.887
.808			-.2730				
.834	-.2930			-.3140	-.2950	-.3340	
.850			-.3990				
.857				-.3920			-.1760
.865	-.3250						
.900	-.2270		-.4790				
.905				-.4610	-.3570	-.4130	
.920			-.3570				
.933	-.1460						
.965							

MACH (2) = 1.248 BETAT (5) = 0.200

Y/BW X/CW	.299	.304	.427	.534	.673	.780	.887
.000	-.4900	-.1850	.1720	.4950	.4420	.4310	.3000
.080			.2410	.1170	.0630	-.0280	-.0570
.081		.0330					
.086	-.2450			.1300	.0880	-.0210	.0170
.084							
.190			.1670				
.177	-.1190						
.229		.1300					
.246				-.0030	-.0210	.0260	.0460
.250							
.362	.0930			-.0120	.0120		.0550
.400			-.0370				
.412							
.497	.0850			-.0860	-.1240		
.530			-.1190				
.565							-.1520
.610						-.1730	
.650	-.1380			-.2560			
.700					-.2430		
.725							
.750							
.760			-.3320	-.3250	-.3160		
.775			-.3270				
.816							
.834	-.2180			-.4120	-.3660	-.3750	
.850							
.857			-.3100				
.865	-.2250			-.4270			-.3210
.900	-.2060		-.2930				
.915				-.4190	-.4460	-.4460	
.950			-.2720				
.953							

PRESSURE DATA - 1A9A

(REM 25)

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

$$\text{MACH (2)} = 1.240 \quad \text{BETAT (5)} = 0.200$$

Y/BN	.299	.364	.427	.534	.615	.195
X/CN						
	.965	-.1670				

965 -1070

DATE 30 SEP 73

TABULATED PRESSURE DATA - 1A8A

AMES 11-707 1A6 CEA + SS + 79 LOWER WING

RMAL26) (27 APR 73)

REFERENCE DATA

REF = 2.4210 INCHES
 LREF = 39.8490 INCHES
 TREF = 39.8490 INCHES
 SCALE = .0000 SCALE

SECTION (1) LOWER WING

MACH (1) = 1.099 BETAT (1) = -0.210

DEPENDENT VARIABLE CP

Y/BW
 X/CW

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MACH (1) = 1.099 BETAT (2) = -4.090

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PARAMETRIC DATA

ALPHAT = 2.000
 RUDDER = -10.000
 RUOPLR = .000

ORGINC = .500
 ELEVCN = .000

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A

AVES 11-707 1A9 OEA + S3 + T9 LOWER WING

(RBM.26)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = 1.104 BETAT (4) = 4.130

Y/BW X/CM	.299	.364	.427	.534	.575	.780	.867
.008			-.4270				
.834	-.3530			-.5150	-.4450	-.4530	
.830			-.5050				
.857				-.1680			-.3900
.865	-.2610						
.900	-.2440		-.1330				
.905				-.1400	-.2350	-.5400	
.950			-.1250				
.953	-.1120						

MACH (1) = 1.086 BETAT (5) = 8.280

Y/BW X/CM	.299	.364	.427	.534	.675	.780	.867
.000	-.6260	-.0900	.1180	.4120	.3700	.3950	.2760
.030				.1670	.1210	.0950	.1850
.061		.0790	.2800				
.066							
.094	-.3800			.1350	.1150	.1030	.1170
.150			.1750				
.177							
.229		.1770		.0360	.1120	.1300	.1010
.246				.0720	.0640		.0480
.250	.1410						
.362			-.0300				
.400				-.0730	-.1510		
.402	.1040		-.0820				
.497							-.2020
.553						-.2040	
.665							
.600				-.3010			
.630							
.700	-.1720						
.725							
.750							
.760			-.3460	-.3640	-.3710		
.775							
.808			-.2550				
.834	-.1980						
.850				-.4140	-.4550	-.4620	
.857			-.2840				
.865	-.2080						
.900	-.2010			-.4110			-.3670
.905			-.2640				
.950				-.3040	-.3180	-.4130	
.953			-.2560				

PAGES 11-707 1A9 02A + 93 + 79 LOWER WING

(REF ID: A66126)

SECTION (1) LOWER VIN

DEPENDENT VARIABLE CP

MAC (1) = 1.098 BETAT (5) = 0.240

662.

33

COACH (2) = 1.267 BETAT (1) = -0.100

6623

10

..... (2) = 1.250 ZETAY (2) = -4.070

663. MB/A

.534 .673 .163 .163

1671
1687
1691
1751
1841
N/A

- . 1110

- . 0390

• 7510	• 6660	• 6730	• 5612
• 3012	• 3270	• 2610	• 3460

TABULATED PRESSURE DATA - 1A9A

DATE 22 SEP 73

AMES 11-707 1A9 02A + S3 + T9. LOWER WING.

(RBM_26)

SECTION 110123

DEPENDENT VARIABLE CP

$$\text{WACH} (2) = 1.253 \quad \text{CCTA7} (2) = -4.070$$

100.

[illegible]

[illegible]

DATE 20 SEP 73 TADULATED PRESSURE DATA - 1A9A

AVES 11-707 1A9 02A + S3 + T9 LOWER WING

(REMARKS)

DEPENDENT VARIABLE: CP

SECTION (1) LOWER WING

MACH (2) = 1.246 BETAT (4) = 4.100

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.867
.808							
.834	-.2610		-.2550				
.850				-.3280	-.2890	-.3090	
.857			-.3660				
.865	-.3250			-.3960			-.2420
.900	-.2070		-.4950				
.905				-.4600	-.3990	-.3650	
.950			-.3110				
.953							
.965	-.2330						

MACH (2) = 1.247 BETAT (5) = 8.200

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.867
.000							
.050	-.4600	-.2230	.1060	.4660	.3920	.4110	.3420
.081			.2610	.1820	.1370	.0560	.1390
.186		.0470					
.094	-.2280			.1390	.1180	.0460	.1320
.190			.1890				
.177	-.0820						
.229		.1900					
.246				.0310	.0490	.1290	.1310
.250				.0390	.0840		.1290
.362	.1140						
.400			-.0160				
.402	.1260			-.1030	-.0720		
.497			-.0860				
.550							
.565							
.600							
.650							
.710	-.1090			-.2210	-.2030		
.725							
.750							
.760			-.3170	-.2880	-.2660		
.775				-.2860			
.818							
.834	-.2010			-.3720	-.3320	-.3430	
.850			-.2710				
.857							
.865	-.2120			-.4120			-.2870
.911	-.1990		-.2990				
.915				-.4190	-.4370	-.4230	
.950			-.2760				
.953							

TABULATED PRESSURE DATA - 1A94

(R04L26)

AVES 11-707 1A9 02A + S3 + T9 LOWER WING

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (2) = 1.247 BETAT (5) = 0.200

	Y/DJ	.299	.364	.427	.534	.673	.780	.887
X/CM	.963	-.1740						

PRESSURE DATA - 1A9A

REFERENCE DATA

SRP =	2.4210 SQ.FT.	XRP =	28.5300 INCHES
LRP =	39.8490 INCHES	YRP =	.0000 INCHES
ZRP =	39.8490 INCHES	ZRP =	.0000 INCHES
SCALE =	.0300 SCALE		

DEPENDENT VARIABLE CP

WACH (1) = 1.097 BETAT (1) = -8.270

ALPHAT =	4.0000	ORBINC =	.500
RUDGER =	-10.000	ELEVON =	.000
RUSFLR =	.000		

SECTION (1) LOWER WING

[illegible]

DATE 20 SEP 75 TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 02A + S3 + T9 LOWER WING

(TBM 27)

SECTION (1) LOWER WING

DEFENDANT VARIABLE CP

MACH (1) = 1.100 BETAT (3) = .020

Y/BW	X/CW	.299	.364	.427	.534	.673	.780	.887
.550								
.565								
.600								
.650								
.700								
.725								
.750								
.760								
.775								
.818								
.834								
.850								
.857								
.865								
.900								
.905								
.950								
.953								
.965								

MACH (1) = 1.099 BETAT (4) = 4.140

Y/BW	X/CW	.299	.364	.427	.534	.673	.780	.887
.000								
.050								
.081								
.086								
.094								
.150								
.177								
.229								
.246								
.250								
.362								
.414								
.412								
.497								
.550								
.565								
.614								
.650								
.700								
.775								
.790								
.760								

000001

AVES 11-707 1A9 02A + 53 + T9 LOWER WING

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (1) = 1.099 BETAT (4) = 4.140

Y/BW X/CW	.299	.364	.427	.534	.673	.760	.887
.806			-.4190				
.834	-.3720						
.890				-.5060	-.4340	-.4330	
.857			-.4960				
.865	-.2720						-.3190
.900	-.2310			-.2100			
.905			-.1880				
.950				-.1300	-.3140	-.5300	
.933			-.1030				
.965	-.1240						

MACH (1) = 1.101 BETAT (5) = 6.260

Y/BW X/CW	.299	.364	.427	.534	.673	.760	.887
.000	-.6310	-.1540	.0370	.3440	.2450	.2990	.1230
.080				.2030	.2010	.2090	.2930
.081		.0680	.2940				
.086							
.094	-.3160			.1660	.1850	.1670	.1840
.90			.1880				
.177	.0570						
.229		.1800		.0710	.1550	.1720	.1490
.246							
.250	.1390			.1050	.0970		.0780
.362			-.0080				
.400							
.402	.1000			-.0480	-.1270		
.497			-.0780				-.1630
.550						-.1730	
.565					-.2630		
.600				-.2820		-.2780	-.3290
.650	-.1540						
.700							
.725							
.750			-.3430				
.760				-.3520	-.3450		
.775			-.2660				
.818							
.834	-.2030			-.4040	-.4280	-.4330	
.850			-.2670				
.857							
.865	-.2120						-.3310
.910	-.2040		-.2720	-.4180			
.915				-.3010	-.2580	-.5070	
.950							
.955			-.2360				

C10

111111

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (1) = 1.101 BETAT (1) = 0.260

MACH (2) = 1.249 BETAT (1) = -0.150

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW	-.1900						
Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW	-.0810	-.0290	.5010	.7840	.7030	.7050	.5280
	.030		.5530	.4890	.4730	.4400	.5150
	.081	.0900					
	.086						
	.094	.0790	.4160	.4660	.3390	.4200	
	.150		.4600				
	.177	.0600					
	.229	.4610					
	.246			.3580	.4010	.4180	.3660
	.250			.3780	.3500		.3060
	.362	.4040					
	.400		.3180				
	.402						
	.497	.4620	.2310	.2990	.1080		.0710
	.550						
	.565						
	.600						
	.650	.2740		-.0120	-.0330	.0560	
	.700					-.0660	-.0690
	.725						
	.750						
	.760		-.1280	-.1170	-.1080		
	.775		-.1620				
	.808						
	.834	-.1250		-.2520	-.1950	-.2120	
	.850		-.2960				
	.857						
	.865	-.3250		-.3230			-.1920
	.900	-.4350					
	.905		-.4350				
	.950		-.4600	-.3900	-.3270	-.2930	
	.953						
	.965	-.3970					
Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW	-.2050	-.1780	.3810	.7110	.6330	.6340	.4680
	.181			.3960	.3910	.3410	.4450
	.150		.4830				
	.141						
	.146	.0120					
	.174	.1410					

MACH (2) = 1.247 BETAT (2) = -4.060

11-707

AVES 11-707 1A9 CEA + 33 + T9 LOWER WING

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (2) = 1.247 BETAT (3) = -4.080

Y/BA X/CA	.299	.364	.427	.534	.673	.780	.887
.150							
.177			.3630				
.229	-.0190						
.246		.3740					
.290				.2660	.3010	.3580	.3320
.362	.1380			.2710	.2860		.2600
.400			.2700				
.412							
.497	.3700			.1570	.0640		
.530			.1240				.0240
.565							
.600						.0080	
.650				-.0280			
.700	.0740					-.0970	-.1440
.725							
.750			-.1500				
.780				-.1390	-.1470		
.779			-.1880				
.808							
.834	-.1500			-.2710	-.2100	-.2430	
.850			-.3800				
.857							
.885	-.3450			-.3410			-.1320
.900	-.4330		-.4530				
.905				-.4270	-.3430	-.3120	
.930			-.4750				
.933							
.965	-.2860						

MACH (2) = 1.249 BETAT (3) = .080

Y/BA X/CA	.299	.364	.427	.534	.673	.780	.887
.100							
.190	-.3230	-.3190	.2850	.3680	.3390	.5430	.3990
.190			.3900	.3210	.3160	.2420	.3560
.191		-.0350					
.196							
.194	-.1660			.2830	.2760	.2110	.2750
.190							
.177			.2840				
.229	-.0780						
.246		.2580					
.290				.1680	.2430	.2360	.2550
.362	.1930						
.412				.1250	.1930		.1970
.412			.1610				
.447	.2250						

DATE 20 SEP 79

TABULATED PRESSURE DATA - IASA

AMES 11-76-7 IAS O2A + S3 + T9 LOWER WING

(R894L27)

SECTION (1) LOWER WING		DEPENDENT VARIABLE CP									
MACH (2) = 1.251 BETAT (4) = 4.110		Y/BW	.299	.364	.427	.534	.673	.760	.867		
		X/CW									
		.808									
		.807	-.2360								
		.850									
		.857									
		.865	-.3210								
		.900	-.2140								
		.905									
		.950									
		.953									
		.985	-.2100								
		Y/BW	.299	.364	.427	.534	.673	.760	.867		
		X/CW									
		.000									
		.080	-.4660	-.2670	.0470	.4090	.3450	.3900	.2470		
		.081				.2450	.2030	.1390	.2620		
		.086		.0600							
		.094	-.1970								
		.190									
		.177			.2160						
		.229	-.0970								
		.246		.1660							
		.290									
		.362	.1160								
		.410									
		.412			.0260						
		.497									
		.550									
		.565									
		.600									
		.650									
		.700	-.0660								
		.725									
		.750									
		.760									
		.775									
		.810									
		.834	-.1910								
		.850									
		.857									
		.865	-.2170								
		.910	-.1920								
		.915									
		.950									
		.953									

MACH (2) = 1.246 BETAT (5) = 8.210

AMES 11-707 1A9 CEA + S3 + T9 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = 1.246	BETAT (5) = 0.210	Y/BW	.299	.364	.427	.534	.673	.760	.887
		X/CW	.965	-.1680					

REFERENCE DATA

9427	=	2.4210	96.17.	YARP	=	20.9300	INCHES
1327	=	39.6490	INCHES	YARP	=	.0000	INCHES
8027	=	39.6490	INCHES	ZARP	=	.0000	INCHES
SCALE	=		.0000	SCALE	=		

MISSION / FLYOVER WING

$\text{BETAT} (1) = 1.099$ $\text{BETAT} (1) = -0.190$

DEPENDENT VARIABLE CP

Y/B:	.299	.364
X/C:		

PARAMETRIC DATA

ALPHAT =	6.000	ORBINC =	.500
RUDDER =	-10.000	ELEVON =	.000
RUDFLR =	.000		

299	.364	.427	.534	.673	.785	.887
-1810	-.1460	.3910	.6320	.5560	.5310	.2680
			.5440	.5450	.5160	.5630
		.9750				
	.2040					
1271			.4690	.4820	.4140	.4250
		.4590				
1510	.4550		.3620	.4020	.3970	.3540
4250			.3280	.3100		.2420
		.2970				
4240			.1410	.0130		.0130
		.1480			-.0250	
1900			-.1480	-.1480	-.1530	-.1860
		-.3070	-.2620	-.2290		
		-.3060				
-2690			-.4090	-.3280	-.3210	
		-.4680				-.1650
-5150			-.4930			
-6310		-.6150	-.5470	-.4720	-.4220	
950		-.2280				
953						
965	-.1830					
94	.299	.364	.427	.534	.673	.785
94						.887
1240	-.3370	-.3250	.2780	.5710	.4970	.4760
1500				.4530	.4940	.4370
161						
168						
166	-.0570					
164						

$$\text{BETAT} (2) = -4.1000$$

UNCLASSIFIED PRESSURE DATA - 1A9A

DATE 24 SEP '73

PRESSURE DATA - 1A9A
 NAMES 11-707 1A9 02A + S3 + T9 LOWER WING

(REV. 20)

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

WACH (1) = 1.098 BETAT (2) = -4.080

Y/BW	.299	.364	.427	.534	.573	.760	.887
X/CW							
.150							
.177	.1200		.3610				
.229		.3600					
.246				.264	.3370	.3480	.3080
.250							
.362	.3400			.2700	.2610		.2010
.400							
.402			.2230				
.497	.3400						
.550				.1010	-.0240		
.565			.0950				
.600							
.650						-.0960	-.0420
.700	.1250						
.725				-.1640	-.1750		
.750						-.1640	-.2190
.760			-.3430				
.775				-.2960	-.2600		
.808			-.3420				
.850	-.3310						
.857			-.5030				
.865	-.5460						
.900	-.3410			-.5130			-.1650
.905							
.950			-.2070	-.2010	-.4900	-.4490	
.953			-.1710				
.965	-.0920						
Y/BW	.299	.364	.427	.534	.673	.760	.887
X/CW							
.100	-.5520	-.5020	.2020	.4970	.4430	.4350	.1630
.150				.3410	.3610	.3610	.4470
.161			.4050				
.186		.0630					
.194	-.1190						
.150							
.177			.2720				
.229	.0710	.2750					
.246							
.250				.2680	.3270	.3160	.3160
.362	.2320			.1690	.2760	.3120	.2650
.402				.2150	.2110		.1690
.412							
.497	.1940		.1370				

$$\text{MACH} (1) = 1.099 \quad \text{BETAT} (3) = .020$$

17/8W	.299	.364	.427	.534	.675	.760	.800
18/8W							
19/8W	-.5520	-.5020	.2020	.4970	.4430	.4350	.1630
.193				.3400	.3610	.3610	.4470
.161			.4050				
.166		.0630					
.194	-.1190			.2080	.3270	.3140	.3180
.151			.2720				
.177							
.229	.0710						
.246		.2750		.1690	.2760	.3120	.2650
.251							
.362	.2320			.2150	.2160		.1690
.411							
.412			.1370				
.497	.1940						

WED 11/20

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

(RSHL20)

AMES 11-707 1A9 OEA + S3 + 19 LOWER WING

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (1) = 1.099 BETAT (3) = .020

Y/BW	X/CH	.299	.364	.427	.534	.673	.780	.887
.590				.0250	.0530	-.0640		-.0690
.565							-.0910	
.600								
.650		.0330			-.2240	-.2070	-.2180	-.2530
.700								
.725								
.780								
.760								
.775								
.806								
.834		-.3670			-.4570	-.3930	-.3660	
.830								
.867								
.865		-.2580			-.4590			-.2480
.900		-.2450						
.903								
.950					-.1900	-.5820	-.4610	
.953								
.965		-.0680			-.1360			
Y/BW	X/CH	.299	.364	.427	.534	.673	.780	.887
.000		-.5980	-.2570	.0800	.4400	.3940	.3730	.1100
.090				.2940	.2740	.3090	.3740	.3960
.081			.0440					
.086								
.094		-.1900			.2250	.2640	.2610	.2700
.150				.2040				
.177								
.229		.0530	.1790					
.246					.1390	.2220	.2620	.2240
.250								
.362		.1620			.1500	.1630		.1390
.411				.0930				
.412								
.497		.1600			.0110	-.1690		
.590								
.565					-.0290			-.1130
.611							-.1260	
.691								
.711		-.0260			-.2390			
.725					-.2570			-.2540
.750								-.2630
.761								
.775					-.4110	-.3720	-.3270	

MACH (1) = 1.102 BETAT (4) = 4.190

DATE 25 SEP 72 TABULATED PRESSURE DATA - 1A9A

AVES 11-707 1A9 Q2A + S3 + T9 LOWER WING

(R294L28)

SECTION (1) LOWER WING		DEPENDENT VARIABLE CP									
MACH (1) = 1.102 BETAT (4) = 4.150		Y/BW	.299	.364	.427	.534	.673	.780	.887		
		X/CW									
		.808			-.4070						
		.834	-.3810			-.5000	-.4170	-.4160			
		.850			-.5290						
		.857									
		.865	-.2700			-.4100					
		.900	-.2150								
		.905			-.2200						
		.950				-.1440	-.5500	-.5120			
		.953			-.1100						
		.965	-.1160								
		Y/BW	.299	.364	.427	.534	.673	.780	.887		
		X/CW									
		.020	-.6530	-.1850	-.0260	.2420	.1570	.2320	-.0030		
		.050				.2390	.2810	.2830	.3760		
		.081			.3050						
		.086		.0420							
		.094	-.2880								
		.150				.1970	.2370	.2220	.2480		
		.177			.2030						
		.229	.0720								
		.246		.1750		.10	.1920	.2140	.1960		
		.250									
		.362	.1240			.1210	.1250		.3320		
		.400			.140						
		.402									
		.497	.0870			-.0370	-.1110				
		.550			-.0830						
		.565									
		.600						-.1470			
		.650									
		.700	-.1520								
		.725				-.2740					
		.750									
		.760			-.3470						
		.775									
		.818			-.2660						
		.834	-.2030								
		.850									
		.857			-.2750						
		.865	-.2120								
		.910	-.1960								
		.905			-.2560						
		.950				-.2750	-.3610	-.3030			
		.953			-.2280						

SECTION (1) LOWER WING

MACH (1) = 1.099 BETAT (1) = 8.280

MACH (2) = 1.248 BETAT (1) = -8.130

DEPENDENT VARIABLE CP

Y/BW .299 .364 .427 .534 .673 .785 .887
X/CW .965 -.1780

Y/BW .299 .364 .427 .534 .673 .785 .887
X/CW .000 -.1040 -.0780 .4390 .7530 .6740 .6620 .4320 .6230 .5210 .5420 .5540

.0350 .5880
.0810 .1270
.086 .1090
.084 .4810
.150
.177 .1090 .4650
.229 .3940 .4480 .4540 .4330
.246 .4000 .3840 .3450
.250
.362 .4190 .3490
.400 .2400
.402 .4440 .2510 .1260
.497 .2770
.530
.565
.600
.630
.700
.725
.750
.760
.775
.808
.834
.850
.857
.865
.900
.905
.930
.953
.965

.1270
.1090
.4810
.1090 .4650
.229 .3940 .4480 .4540 .4330
.246 .4000 .3840 .3450
.250
.362 .4190 .3490
.400 .2400
.402 .4440 .2510 .1260
.497 .2770
.530
.565
.600
.630
.700
.725
.750
.760
.775
.808
.834
.850
.857
.865
.900
.905
.930
.953
.965

.1270
.1090
.4810
.1090 .4650
.229 .3940 .4480 .4540 .4330
.246 .4000 .3840 .3450
.250
.362 .4190 .3490
.400 .2400
.402 .4440 .2510 .1260
.497 .2770
.530
.565
.600
.630
.700
.725
.750
.760
.775
.808
.834
.850
.857
.865
.900
.905
.930
.953
.965

.1270
.1090
.4810
.1090 .4650
.229 .3940 .4480 .4540 .4330
.246 .4000 .3840 .3450
.250
.362 .4190 .3490
.400 .2400
.402 .4440 .2510 .1260
.497 .2770
.530
.565
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.1090
.4810
.1090 .4650
.229 .3940 .4480 .4540 .4330
.246 .4000 .3840 .3450
.250
.362 .4190 .3490
.400 .2400
.402 .4440 .2510 .1260
.497 .2770
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.1090 .4650
.229 .3940 .4480 .4540 .4330
.246 .4000 .3840 .3450
.250
.362 .4190 .3490
.400 .2400
.402 .4440 .2510 .1260
.497 .2770
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.1090 .4650
.229 .3940 .4480 .4540 .4330
.246 .4000 .3840 .3450
.250
.362 .4190 .3490
.400 .2400
.402 .4440 .2510 .1260
.497 .2770
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.1270
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.4810
.1090 .4650
.229 .3940 .4480 .4540 .4330
.246 .4000 .3840 .3450
.250
.362 .4190 .3490
.400 .2400
.402 .4440 .2510 .1260
.497 .2770
.530
.565
.600
.630
.700
.725
.750
.760
.775
.808
.834
.850
.857
.865
.900
.905
.930
.953
.965

MACH (2) = 1.231 BETAT (2) = -4.080

Y/BW .299 .364 .427 .534 .673 .785 .887
X/CW .1620 -.2410 -.2590 .3370 .6660 .5940 .5870 .3620 .5480 .4770 .4710 .4510 .5480 .5260 .1290 .1481 .1486 .1494

.1620
-.2410
-.2590
.3370
.6660
.5940
.5870
.3620
.5480
.4770
.4710
.4510
.5480
.5260
.1290
.1481
.1486
.1494

.1620
-.2410
-.2590
.3370
.6660
.5940
.5870
.3620
.5480
.4770
.4710
.4510
.5480
.5260
.1290
.1481
.1486
.1494

.1620
-.2410
-.2590
.3370
.6660
.5940
.5870
.3620
.5480
.4770
.4710
.4510
.5480
.5260
.1290
.1481
.1486
.1494

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

HACH (2) = 1.249 BETAY (3) = .010

[illegible]
$$\text{MACH} (P) = 1.245 \text{ DETAY} (A) = 4.120$$

Y/LW	.299	.364	.427	.534	.673	.780	.867
X/OW	-.4000	-.3620	-.0700	.4700	.4340	.4480	.2660
.050				.2640	.3230	.3290	.4630
.081			.3020				
.086		-.0710					
.094	-.1110			.2270	.2745	.3210	.3430
.150			.1810				
.177	-.1110	.1890		.1540	.2670	.3430	.3050
.246				.1950	.2450		.2260
.250	.1650		.0910				
.362							
.400			.1000	.1050	.0340		
.402	.0340						
.497							
.550							
.565							
.600							
.650	.0380						
.700							
.705							
.750							
.760							
.775							

SECTION (1) LOWER WIRE

DEPENDENT VARIABLE CP

$$\text{BETAT} (4) = 4.120$$

1784	.299	.364	.427	.534	.673	.702
X/CW						
.808			-.2700			
.834	-.2640					
.893				-.3350	-.2720	-.2670
.857			-.3690			
.865	-.3270					
.900	-.1870			-.3990		-.1690
.935						
.950			-.4770		-.4490	-.3590
.953						
			-.2450			
.965	-.2000					

MACH (2) = 1.145 BETAT (5) = 8.230

Y/BM X/Q1	.295	.364	.427	.534	.673	.760	.900
.000	-.4770	-.3060	-.0220	.3150	.2810	.3480	.1510
.050			.2650	.2600	.2650	.2210	.3600
.081		.0680					
.086							
.094	-.1680						
.150				.2040	.2300	.2010	.2490
.177			.2340				
.229	-.0010	.1550					
.246				.330	.1750	.2260	.2260
.250							
.362	.0910			.1100	.1510		.1870
.400			.0360				
.402							
.497	.1470			.0220	-.0310		
.550			-.0350			-.0700	-.1490
.565							
.600							
.650	-.1040			-.1740			
.700					-.1560		
.725						-.1690	-.2190
.750			-.2900				
.760				-.2670	-.3290		
.775			-.2630				
.848							
.834	-.1770			-.3700	-.2990	-.2090	
.850			-.2960				
.857							
.865	-.1690			-.4090			-.2260
.940	-.1820		-.2900	-.4090	-.4120	-.3840	
.945							
.950			-.2730				
.953							

SECTION (1) LOWER WING	DEPENDENT VARIABLE CP				
	Y/BW	.259	.364	.427	.534
WACH (2) = 1.245 BETAT (5) = 0.230	X7CM	.965	-.1540	.673	.780
					.887

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

(RBM29) (27 APR 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5900 INCHES
 LREF = 39.8490 INCHES YMRP = .0000 INCHES
 BREF = 39.8490 INCHES ZMRP = .0000 INCHES
 SCALE = .0300 SCALE

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (1) = 1.098 BETAT (1) = -8.160

Y/BW
X/CW

.000 .259 .364 .427 .534 .673 .780 .887
 .050 -.2550 -.2820 .2850 .6300 .5010 .4550 .1340
 .086 .0600 .2290 .6140 .6230 .5960 .6340
 .150 .0600 .9050 .5240 .5480 .4890 .4790
 .177 .1850 .4680 .4120 .4550 .4510 .4030
 .229 .362 .4410 .3610 .3920 .2910
 .246 .400 .432 .3310 .1650 .0920
 .290 .487 .4390 .1710 .0470
 .362 .565 .600 .0100
 .400 .650 .700 -.1270 -.1140 -.1540
 .432 .725 .750 -.2920 -.2410 -.2100
 .464 .760 .775 -.2900
 .496 .806 .834 -.2620 -.3900 -.3030 -.2690
 .528 .857 .865 -.3190 -.4770 -.1260
 .560 .890 .915 -.6160 -.6180 -.5320 -.4480 -.3930
 .592 .933 .953 -.2250
 .624 .965 -.1880
 .656 .299 .364 .427 .534 .673 .780 .887
 .688 .144 .152 .161 .186 .194
 .720 -.4320 -.4990 .1750 .5330 .4590 .4140 .1690
 .752 .5420 .5220 .5410 .5210 .5750
 .784 .1190
 .816 .1450

MACH (1) = 1.098 BETAT (2) = -8.070

Y/BW
X/CW

.000 .259 .364 .427 .534 .673 .780 .887
 .050 -.2550 -.2820 .2850 .6300 .5010 .4550 .1340
 .086 .0600 .2290 .6140 .6230 .5960 .6340
 .150 .0600 .9050 .5240 .5480 .4890 .4790
 .177 .1850 .4680 .4120 .4550 .4510 .4030
 .229 .362 .4410 .3610 .3920 .2910
 .246 .400 .432 .3310 .1650 .0920
 .290 .487 .4390 .1710 .0470
 .362 .565 .600 .0100
 .400 .650 .700 -.1270 -.1140 -.1540
 .432 .725 .750 -.2920 -.2410 -.2100
 .464 .760 .775 -.2900
 .496 .806 .834 -.2620 -.3900 -.3030 -.2690
 .528 .857 .865 -.3190 -.4770 -.1260
 .560 .890 .915 -.6160 -.6180 -.5320 -.4480 -.3930
 .592 .933 .953 -.2250
 .624 .965 -.1880
 .656 .299 .364 .427 .534 .673 .780 .887
 .688 .144 .152 .161 .186 .194
 .720 -.4320 -.4990 .1750 .5330 .4590 .4140 .1690
 .752 .5420 .5220 .5410 .5210 .5750
 .784 .1190
 .816 .1450

PARAMETRIC DATA

ALPHAT = 8.000 ORBINC = .500
 RUDDER = -10.000 ELEVON = .000
 RUDFLR = .000

SECTION (1) LOWER VIN

COACH (1) = 1.096 BETAT (2) = -4.070

DEPENDENT VARIABLE CP

Y/BM	.299	.364	.427	.441D	.472L	.432D	.425D
X/CM							
.15D				.414D			
.177	.122D	.396D					
.246				.332D	.390D	.401D	.357D
.25D							
.362	.343D			.305D	.300D		.247D
.40D			.254D				
.402							
.497	.341D		.106D	.127D	.004D		
.59D							
.565							
.60D							
.65D							
.70D	.127D						
.725							
.75D							
.78D							
.775							
.606							
.834							
.85D							
.857							
.865							
.92D							
.925							
.95D							
.953							
.965							
Y/BM	.299	.364	.427	.534	.675	.78D	.887
X/CM							
.12D				.094D	.414D	.379D	.047D
.15D							
.161							
.186							
.194							
.15D							
.177							
.229							
.246							
.25D							
.362							
.412							
.497							
.597							
.657							
.707							
.725							
.75D							
.78D							
.775							
.606							
.834							
.85D							
.857							
.865							
.92D							
.925							
.95D							
.953							
.965							
Y/BM	.299	.364	.427	.534	.675	.78D	.887
X/CM							
.12D				.094D	.414D	.379D	.047D
.15D							
.161							
.186							
.194							
.15D							
.177							
.229							
.246							
.25D							
.362							
.412							
.497							
.597							
.657							
.707							
.725							
.75D							
.78D							
.775							
.606							
.834							
.85D							
.857							
.865							
.92D							
.925							
.95D							
.953							
.9							

$$\text{BATCH (1)} = 1.000 \quad \text{DETAT (3)} = .000$$
[illegible]

TABULATED PRESSURE DATA - 1A9A

1,172 24, SEP 73

AVES 11-707 1A9 02A + S3 + T9 LOWER WING

(RBM 29)

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (1) = 1.098 BETAT (3) = .1620

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.550			.0340	.0660	-.0340	-.0350	-.0340
.565							
.600							
.650							
.710	.0450			-.2160	-.1850	-.1840	-.2130
.725							
.750							
.760			-.3940	-.3270	-.2740		
.775			-.3620				
.818							
.834	-.3600			-.4560	-.3650	-.3520	
.850			-.4720				
.857							
.865	-.2450			-.5340			-.2150
.900	-.2140		-.3510				
.905				-.1630	-.4980	-.4530	
.950			-.1130				
.953							
.965	-.0780						

MACH (1) = 1.098 BETAT (4) = 4.150

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.5970	-.3760	.0120	.3990	.3670	.3490	.0080
.050			.3140	.3310	.3690	.3850	.4760
.081		.0250					
.096							
.094	-.1410			.2640	.3290	.3270	.3380
.150			.2330				
.177							
.229	.0400	.1860					
.246				.1780	.2680	.3090	.2790
.250							
.362	.1480			.1650	.1980		.1850
.410			.1110				
.402							
.497	.1160			.0160	-.0720		
.550			-.1140				
.565							-.1660
.610						-.0910	
.650							
.700	-.0170			-.2260			
.725				-.2520			
.750						-.2170	-.2450
.760			-.4180				
.775				-.3660		-.3110	

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (1) = 1.098 BETAT (4) = 4.130

Y/BM	.299	.364	.427	.534	.675	.760	.887
X/CH							
.608			-.4090				
.634	-.3630			-.4850	-.4000	-.3660	
.650			-.3870				-.2480
.657				-.5500			
.665	-.2160						
.900	-.1950						
.805			-.3160	-.1890	-.5260	-.4860	
.950			-.1440				
.953							
.965	-.1180						
Y/BM	.299	.364	.427	.534	.675	.760	.887
X/CH							
.000	-.6720	-.2510	-.1570	.1270	.1940	.2500	-.0650
.020			.3140	.2700	.3150	.3250	.4350
.061		-.0050					
.066	-.2560			.2100	.2800	.2590	.2560
.094			.2160				
.150							
.177	.0640	.1570					
.229				.1210	.2050	.2520	.2590
.246							
.250	.1140			.1170	.1360		.1720
.362			.0320				
.400							
.402	.0620			-.0320	-.1070		
.497			-.0750				-.0970
.550						-.1310	
.565							
.600					-.2540		
.650	-.1360			-.2750		-.2490	-.2770
.700							
.725							
.750				-.3470			
.760				-.3260	-.3270		
.775				-.2530			
.808							
.834	-.1940			-.3750	-.4190	-.4110	
.850				-.2620			
.857							-.2770
.865	-.2060			-.3620			
.940	-.1990						
.940			-.2700	-.2560	-.4740	-.4960	
.945							
.940				-.2300			
.953							

MACH (1) = 1.098 BETAT (5) = 6.310

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A
AMES 11-707 1A9 OCA + S3 + T9 LOWER WING

(Ref 129)

SECTION (1) LOWER WING

MACH (1) = 1.098 BETAT (5) = 8.310

DEPENDENT VARIABLE CP
Y/BW .299 .364 .427 .534 .673 .780 .887
X/CW .965 -.1700

MACH (2) = 1.247 BETAT (1) = -8.100

Y/BW .299 .364 .427 .534 .673 .780 .887
X/CW .000 -.1220 -.1540 .7220 .6380 .6040 .3220
.050 .6060 .6320 .6060 .6760
.061 .6290
.086 .1710
.084 .1490
.150
.177 .5110
.229 .4900
.246
.290 .4320 .4850 .5150 .4800
.362 .4200 .4180 .3850
.400
.402 .3710
.497 .2620 .1410
.590 .2900
.565
.600
.650
.710 .2860
.725
.790
.760
.775
.808
.834
.850
.857
.865
.910
.915
.950
.953
.965

MACH (2) = 1.249 BETAT (2) = -4.040

Y/BW .299 .364 .427 .534 .673 .780 .887
X/CW .160 -.2970 -.3220 .2440 .6310 .5630 .5330 .2440
.150 .5630 .5400 .6330
.181
.185
.194 .1480

DATE 20 SEP 75

TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 OZA + S3 + T9 LOWER WING

(RBM429)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = 1.249 BETAT (3) = -4.040

Y/BN X/CM	.299	.364	.427	.534	.673	.700	.687
.150							
.177			.4480				
.229	.0820						
.246		.4000					
.250				.3570	.4430	.4790	.4410
.302	.3410			.3760	.3760		.3550
.400			.3080				
.402							
.497	.3610			.2270	.1180		
.590			.2080				.0990
.585							
.600						.0910	
.650	.2630			-.0240	-.0300		
.700						-.0270	-.0680
.725							
.750			-.1540		-.1260	-.0940	
.760							
.775			-.1790				
.808							
.834	-.1680			-.2560	-.1650	-.1820	
.850			-.3080				
.857							-.0890
.865	-.3580			-.3260			
.900	-.4270						
.905			-.4440				
.930				-.3630	-.3160	-.2740	
.950			-.4570				
.953							
.965	-.2430						
Y/BN	.299	.364	.427	.534	.673	.700	.687
X/CM							
.000	-.4120	-.3680	.0560	.5200	.4610	.4710	.1960
.050				.4900	.4730	.4520	.5700
.061			.4700				
.066		.0270					
.094	-.0160						
.130			.3430				
.177				.3750	.4030	.4240	.4370
.229	.0090						
.246		.2670					
.250				.2440	.3650	.4270	.3910
.302	.2110						
.400				.3140	.3190		.3110
.402			.1780				
.497		.2440					

MACH (2) = 1.249 BETAT (3) = .020

DATE 20 SEP 75 TABULATED PRESSURE DATA - IASA

AVES 11-707 IAS 02A + S3 + T9 LOWER WING

(RBM429)

SECTION (1) LOWER WING

MACH (2) = 1.248 BETAT (4) = 4.130

DEPENDENT VARIABLE CP			
Y/BW	X/CW		
.806			
.834	-.2460		
.850			
.857			
.865	-.2180		
.910	-.1800		
.935			
.950			
.953			
.965	-.1830		

MACH (2) = 1.248 BETAT (3) = 0.230

Y/BW	X/CW				
.299	.364	.427	.534	.673	.780 .887
-.4780	-.3800	-.0880	.2570	.2790	.3110 .0680
			.2900	.3240	.2880 .4410
			.3100		
			.0200		
-.1670			.2430	.2620	.2580 .3240
			.2450		
.0730					
			.1420		
.246					
.230			.1310	.1940	.2830 .2860
.382	.0730		.1260	.1870	.2280
.400					
.402			.0220		
.497	.1560				
.550			.0370	-.0210	
.565			-.0130		
.600					
.680					
.700	-.0580				
.725					
.750			-.1890		
.760					
.775			-.2790	-.2530	
.808			-.2470		
.834	-.1750				
.850			-.3630	-.3050	-.2930
.857			-.2570		
.865	-.1750				
.910	-.1710				
.915			-.2700		
.930			-.3570	-.4150	-.3790
.933			-.2670		

-.1980

TABULATED PRESSURE DATA - 1A9A

DATE 20 SEP 73

(RBM29)

AVES 11-707 1A9 OEA + S3 + T9 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = 1.246 BETAT (5) = 8.250

	Y/BW	.299	.364	.427	.534	.675	.780	.887
X/CW								
	.905	-.1520						

AMES 11-707 1A9 02A + S3 + T9 LOWER WING

REFERENCE DATA

STBY = 2.4210 90.FT. XGRP = 28.5300 INCHES
LREF = 39.8490 INCHES YGRP = .0000 INCHES
BREF = 39.8490 INCHES ZGRP = .0000 INCHES
SCALE = .0300 SCALE

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING
MACH (1) = 1.101 BETAT (1) = -8.180

Y/BW	X/CW	Y/BW	X/CW	Y/BW	X/CW	Y/BW	X/CW
.000	.000	.000	.000	.000	.000	.000	.000
.050	.050	.050	.050	.050	.050	.050	.050
.100	.100	.100	.100	.100	.100	.100	.100
.150	.150	.150	.150	.150	.150	.150	.150
.200	.200	.200	.200	.200	.200	.200	.200
.250	.250	.250	.250	.250	.250	.250	.250
.300	.300	.300	.300	.300	.300	.300	.300
.350	.350	.350	.350	.350	.350	.350	.350
.400	.400	.400	.400	.400	.400	.400	.400
.450	.450	.450	.450	.450	.450	.450	.450
.500	.500	.500	.500	.500	.500	.500	.500
.550	.550	.550	.550	.550	.550	.550	.550
.600	.600	.600	.600	.600	.600	.600	.600
.650	.650	.650	.650	.650	.650	.650	.650
.700	.700	.700	.700	.700	.700	.700	.700
.750	.750	.750	.750	.750	.750	.750	.750
.800	.800	.800	.800	.800	.800	.800	.800
.850	.850	.850	.850	.850	.850	.850	.850
.900	.900	.900	.900	.900	.900	.900	.900
.950	.950	.950	.950	.950	.950	.950	.950
.965	.965	.965	.965	.965	.965	.965	.965

MACH (1) = 1.102 BETAT (2) = -4.180

PARAMETRIC DATA

ALPHAT = -8.000 ORBINC = .500
RUDDER = -15.000 ELEVON = .000
RUDDLR = .000

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

(REMLSD)

AMES 11-707 1A9 C2A + S3 + T9 LOWER WING

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (1) = 1.102 BETAT (3) = .020

	Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW	.590							
	.565							
	.600							
	.650							
	.700	-.3030						
	.725							
	.750							
	.760							
	.775							
	.850							
	.834							
	.850							
	.657							
	.865							
	.900							
	.905							
	.950							
	.953							
	.965							
	.299							
	.364							
	.427							
	.534							
	.673							
	.780							
	.887							
	.2990							
	.3980							
	.0300							
	.2690							
	.1620							
	.229							
	.246							
	.250							
	.360							
	.410							
	.402							
	.497							
	.530							
	.565							
	.640							
	.650							
	.710							
	.725							
	.750							
	.760							
	.775							

MACH (1) = 1.100 BETAT (4) = 4.160

	Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW	.100							
	.107							
	.161							
	.186							
	.194							
	.190							
	.177							
	.229							
	.246							
	.250							
	.360							
	.410							
	.402							
	.497							
	.530							
	.565							
	.640							
	.650							
	.710							
	.725							
	.750							
	.760							
	.775							

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

ANES 11-707 1A9 02A + S3 + T9 LOWER WING

(RPM L33)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = 1.100 BETAT (4) = 4.160

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.8108			-.4990				
.834	-.3620						
.850			-.4400				
.877							
.865	-.3230						
.900	-.3500						
.905			-.3910				
.950							
.953			-.2170				
.965	-.2470						

MACH (1) = 1.102 BETAT (5) = 8.310

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.4780	-.3940	.2810	.3590	.2060	.0680	-.0290
.050				-.1880	-.5700	-.8430	-.7250
.081		.0530	.0900				
.086	-.2880						
.094							
.150							
.177			.0020				
.229	-.0530						
.246		.0870					
.250							
.362	.0680						
.400							
.472			-.2030				
.497	.0360						
.550			-.2780				
.565							
.610							
.650							
.700	-.2450						
.725							
.750							
.760							
.775							
.8108							
.834	-.2650						
.850							
.857			-.3530				
.865	-.2970						
.911	-.2870						
.915							
.950							
.953							

DATE 20 SEP 73

TABULATED PRESSURE DATA - 119A

(RBM,SD)

ANES 11-707 1A9 O2A + S3 + T9 LOWER WING

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (1) = 1.102 BETAT (5) = 8.310

Y/BW	X/CW	.299	.364	.427	.534	.673	.780	.887
.965		-.2780						

MACH (2) = 1.244 BETAT (1) = -8.130

Y/BW	X/CW	.299	.364	.427	.534	.673	.780	.887
.000		.0010	-.0780	.2940	.6720	.6370	.6160	.5980
.050				.1480	-.3950	-.3920	-.3380	-.3660
.061								
.066			-.0810					
.084		-.0560			.1450	-.2180	-.1130	-.2700
.130								
.177				.0730				
.229		-.0450						
.246			.0250		.1280	.1380	-.0480	-.2320
.250								
.362		-.0360			.1080	.0640		-.0670
.400				.1150				
.402								
.497		.3180			-.0060	-.0650		-.0980
.530				.0110				
.565								
.600							-.1540	
.650		.0080			-.2180			
.700							-.2320	-.2350
.725				-.2430				
.750					-.2670	-.3000		
.775				-.2500				
.828								
.834		-.1840			-.3520	-.3590	-.3540	
.850				-.3650				
.857								-.2350
.865		-.3770			-.3950			
.900		-.4850		-.5080				
.915					-.4680	-.4390	-.4270	
.950				-.5340				
.953								
.965		-.3780						

MACH (2) = 1.245 BETAT (2) = -4.080

Y/BW	X/CW	.299	.364	.427	.534	.673	.780	.887
.140		-.1620	-.1700	.1340	.5390	.5160	.4920	.4850
.150					-.4950	-.4230	-.3860	-.4240
.181				-.1140				
.186			-.1590					
.194		-.1340						

DATE 20 SEP 72

TABULATED PRESSURE DATA - 1A9A

AVES 11-707 1A9 OEA + S3 + T9 LOWER WING

(RBM,30)

SECTION (1) LOWER WING

MACH (2) = 1.245

2) = -4.1350

DEPENDENT VARIABLE CP

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.190							
.177			.0310				
.229	-1.1590						
.246		-1.0900					
.250				.0660	.0330	-1.1610	-1.3360
.362	-1.0930			.0110	.0180		-1.1360
.400			.0170				
.402							
.497	.2250			-1.0620	-1.1600		
.590			-1.0630				
.565							-1.1350
.600						-1.2070	
.650					-1.2720		
.700	-1.0810			-1.2760			
.725						-1.2750	-1.2850
.750							
.760			-1.3190	-1.3420	-1.3470		
.775							
.806			-1.2930				
.834	-1.2390						
.850				-1.4200	-1.3960	-1.3840	
.857			-1.4050				
.865	-1.4180			-1.4360			-1.2790
.900	-1.5100						
.905			-1.5310				
.950				-1.4970	-1.4760	-1.4630	
.953			-1.3950				
.965	-1.3720						

MACH (2) = 1.249 BETAT (3) = .020

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.100							
.150							
.160							
.166							
.194	-1.1630						
.150							
.177			-1.0250				
.229	-1.1010						
.246		-1.0540					
.250							
.362	-1.1680			-1.0170	-1.0150	-1.2780	-1.4110
.410							
.412				-1.0690	-1.0620		-1.2030
.497	.1390		-1.0610				

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (2) = 1.249 BETAT (3) = .020

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.987
.590							
.565							
.600							
.650							
.700	-.1710						
.725							
.750							
.780							
.775							
.808							
.834							
.850	-.2740						
.857							
.865	-.4480						
.900	-.3660						
.905							
.950							
.953							
.965	-.3600						
.590							
.565							
.600							
.650							
.700							
.725							
.750							
.780							
.775							
.808							
.834							
.850							
.857							
.865							
.900							
.905							
.950							
.953							
.965							

MACH (2) = 1.245 BETAT (4) = 4.130

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.987
.000	-.2250	-.2530	-.0140	.3900	.3460	.2690	.2470
.050				-.3310	-.4060	-.5930	-.5730
.061							
.066							
.084							
.130							
.177							
.229	-.1970						
.246							
.250							
.362	.0430						
.400							
.412							
.497	-.1460						
.550							
.565							
.614							
.650							
.714	-.2180						
.725							
.750							
.761							
.775							

AMES 11-707 1A9 02A + S3 + T9 LOWER WING

(RBM 30)

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (2) = 1.245 BETAT (4) = 4.130

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.808							
.834	-.3210						
.850				-.4630	-.4630	-.4460	
.857				-.4960			
.865	-.3090			-.3220			-.3470
.900	-.2700						
.905			-.4190	-.2430	-.4720	-.5030	
.950			-.2840				
.953							
.965	-.2240						

MACH (2) = 1.247 BETAT (5) = 8.250

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.3060	-.2700	.1370	.3970	.2770	.1690	.1280
.050				-.2530	-.5240	-.6050	-.5550
.061		-.2090	.1000				
.066							
.084	-.2270			-.1320	-.1360	-.3610	-.5570
.150			-.0070				
.177							
.229	-.2260						
.246		.1520		-.1390	-.1910	-.3720	-.5310
.250							
.362	.0100			-.1570	-.1710		-.0530
.400			-.1750				
.402							
.497	-.0040			-.2330	-.2660		
.550			-.2260				-.2580
.565							
.600						-.3240	
.650					-.4150		
.700	-.2260			-.3770		-.4000	-.3760
.725							
.750							
.760			-.4380				
.775			-.4150				
.818							
.834	-.2710			-.5160	-.4930	-.4940	
.850			-.3610				
.857							
.865	-.2630			-.5510			-.3950
.910	-.2710						
.915			-.3620	-.3460	-.5550	-.5490	
.950							
.953			-.3310				

1A9 CPA + S3 + T9 LOWER WING

(R204_35)

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

WACH (2) = 1.247 BETAT (5) = 8.293

3.

1991

.673

534

.427

三

662.

3

156

3

1

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NOTES

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TABULATED PRESSURE DATA - 1A9A
 AXES 11-707 1A9 CEA + S3 + T9 LOWER WING

(RBM131) (27 APR 73)

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
 LREF = 39.8490 INCHES YMRP = .0000 INCHES
 BREF = 39.8490 INCHES ZMRP = .0000 INCHES
 SCALE = .0300 SCALE

ALPHAT = -6.000 ORBINC = .500
 RUDDER = -15.000 ELEVON = .000
 RUFLR = .000

PARAMETRIC DATA

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING	Y/BW	.299	.364	.427	.534	.673	.780	.887
MACH (1) = 1.101 BETAT (1) = -0.190	X/CW							
	.000	-.1130	-.1790	.5300	.7340	.6750	.6310	.5980
	.080				-.0240	-.2320	-.5080	-.3980
	.081			.2210				
	.086		-.0480					
	.094	-.1770			.1780	.0530	-.1000	-.1620
	.150							
	.177			.2050				
	.229	-.0710						
	.246		.2680		.0670	.0100	.0340	-.0390
	.250							
	.362	.3080			.0670	.0350		.0170
	.400			.0480				
	.402							
	.497	.3080			-.0690	-.1770		
	.550			-.0700				-.1950
	.565						-.2430	
	.600					-.3150		
	.650	-.0700			-.2520			
	.700						-.3390	-.3780
	.725							
	.750			-.3700				
	.760				-.3470	-.3800		
	.775			-.3690				
	.808							
	.834	-.3470			-.4860	-.4310	-.4790	
	.850							
	.857			-.5430				
	.865	-.5610			-.5610			-.3580
	.910	-.4930						
	.915			-.3220				
	.950				-.3310	-.5170	-.3750	
	.953			-.2490				
	.965	-.2230						
	Y/BW	.299	.364	.427	.534	.673	.780	.887
MACH (1) = 1.101 BETAT (2) = -0.090	X/CW							
	.140	-.1870	-.2120	.4530	.6410	.5740	.5440	.4860
	.152				-.0820	-.2890	-.6210	-.4780
	.181			.1720				
	.186		-.0490					
	.194	-.2040						

DATE 20 SEP 73 TABULATED PRESSURE DATA - IASA

AMES 11-707 IAS CEA + S3 + T9 LOWER WING

(RBNL31)

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

MACH (1) = 1.099	BETAT (3) = .020	Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.590									
.565									
.600									
.680									
.700									
.725									
.750									
.760									
.775									
.808									
.834									
.850									
.857									
.865									
.900									
.905									
.950									
.955									
.965									

MACH (1) = 1.098 BETAT (4) = 4.140

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000							
.050							
.081							
.086							
.094							
.150							
.177							
.229							
.246							
.250							
.362							
.410							
.412							
.497							
.590							
.565							
.614							
.650							
.714							
.725							
.750							
.760							
.775							

TABULATED PRESSURE DATA - 1A9A

DATE 20 SEP 73

AVES 11-707 1A9 CEA + S3 + T9 LOWER WING

(RBNL31)

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (1) = 1.098 BETAT (4) = 4.140

Y/BW X/CM	.299	.364	.427	.534	.673	.780	.887
.808			-.4620				
.834	-.3140						
.850				-.5910	-.5270	-.5290	
.857			-.3920				
.865	-.2650			-.2820			-.4170
.900	-.2710		-.3610				
.905				-.2200	-.2980	-.5500	
.950			-.2200				
.953							
.965	-.2190						

MACH (1) = 1.097 BETAT (5) = 8.280

Y/BW X/CM	.299	.364	.427	.534	.673	.780	.887
.000	-.9500	-.2220	.3100	.4320	.3000	.1990	.1160
.090				-.1270	-.4060	-.7370	-.5940
.081		.0600	.1230				
.096	-.2800						
.084				-.0710	-.0690	-.3040	-.6090
.150			.0320				
.177							
.229	-.0210	.1080					
.246				-.1290	-.2150	-.2380	-.4410
.250	.0730			-.1720	-.1730		.0060
.362			-.1920				
.400				-.2470	-.3020		
.402	.0480						
.497			-.2590				-.2770
.590							
.565							
.610							
.630							
.700	-.2320			-.4070			
.725							
.790			-.4320				
.760				-.4610	-.4780		
.775			-.3330				
.808							
.834	-.2710			-.4790	-.5410	-.5270	
.850			-.3210				
.857							
.865	-.2760			-.4240			-.4290
.910	-.2610						
.915			-.3490				
.951				-.2100	-.2650	-.4360	
.953							

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

AXES 11-707 1A9 02A + S3 + T9 LOWER WING

(R0ML31)

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (1) = 1.097 BETAT (5) = 8.280

Y/BW .299 .364 .427 .534 .673 .780 .887
X/CW .965 -.2550

MACH (2) = 1.247 BETAT (1) = -8.140

Y/BW .299 .364 .427 .534 .673 .780 .887
X/CW .000 -.0030 .3140 .6960 .6870 .6530 .3190
.090 -.2980 -.1040 -.3990 -.3190
.081 .1730
.086 -.0760
.094 -.0530
.150 .2640 .0090 -.0100 -.2100
.177 .1930
.229 -.0660
.246 -.0040
.250 .1660 .0550 .0760 -.0560
.362 -.0810 .1300 .110 .1700
.400 .1390
.402
.497 .0170 -.0540
.550 .0280
.565
.600
.650
.700 .0310
.725
.750
.760
.775
.808
.834
.850
.857
.865
.910
.915
.950
.953
.965

MACH (2) = 1.248 BETAT (2) = -4.060

Y/BW .299 .364 .427 .534 .673 .780 .887
X/CW .140 -.0760 .1840 .6080 .5920 .5810 .5590
.090 -.3290 -.2220 -.4440 -.3950
.161 .0180
.166
.194 -.1210
.965 -.4150

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A
AVES 11-707 1A9 02A + S3 + T9 LOWER WING

(RRML31)

SECTION (1) LOWER WING
DEPENDENT VARIABLE CP

MACH (2) = 1.248 BETAT (2) = -4.060

Y/BW X/CW	.299	.364	.427	.534	.673	.785	.887
.190				.1430	-.1010	-.0930	-.2950
.177			.1440				
.229	-.1530	-.0840					
.246				.0780	-.0040	-.0100	-.1640
.250							
.362	-.1030			.0360	.0460		.1100
.400			.0430				
.432							
.497	.2600			-.0310	-.1080		
.590							
.565							
.600							
.650							
.700	-.0890			-.2360	-.2420	-.1140	
.725							
.750							
.760							
.775				-.3080	-.3180		
.808							
.834	-.2210			-.3790	-.3730	-.3710	
.850							
.857							
.865	-.4040						
.900	-.3070			-.4120			-.2810
.905				-.5180			
.950				-.4770	-.4560	-.4440	
.953							
.965	-.3420			-.4080			
Y/BW	.299	.364	.427	.534	.673	.785	.887
X/C	-.1730	-.1530	.1070	.5340	.4950	.4690	.4540
.101				-.2850	-.2940	-.4670	-.4150
.130			.1470				
.181							
.186		-.1750					
.194				.1620	-.1620	-.1610	-.3690
.199							
.177	-.1740		.0900				
.229							
.246		.0640					
.290				-.0090	-.1450	-.1930	-.2480
.382	-.0220			-.0340	-.1250		.1810
.414							
.412							
.497	.1740		-.0330				

MACH (2) = 1.251 BETAT (3) = .020

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A

(RBNL31)

AMES 11-71.7 IAS CGA + S3 + T9 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = 1.251 BETAT (3) = .020

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.867
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							
.808							
.834							
.850							
.857							
.865							
.900							
.905							
.950							
.953							
.965							

MACH (2) = 1.251 BETAT (4) = 4.120

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.867
.000							
.050							
.081							
.086							
.094							
.150							
.177							
.229							
.246							
.250							
.362							
.410							
.412							
.497							
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 ORA + S3 + T9 LOWER WING

(REML31)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = 1.231 BETAT (4) = 4.120

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.808							
.834	-.3210						
.850				-.4410	-.4180	-.3960	
.857							
.865	-.3120						
.900	-.2550			-.4750			-.3390
.905							
.950				-.4410			
.950				-.2660	-.4860	-.4790	
.953				-.2790			
.965	-.2130						

MACH (2) = 1.290 BETAT (5) = 0.230

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000							
.050	-.4170	-.2580	.2550	.4360	.3290	.2550	.2320
.081				-.1790	-.4040	-.5690	-.4570
.086							
.094							
.150							
.177							
.229	-.2430						
.246							
.250							
.362	.0270						
.400							
.402							
.497	-.0390						
.550							
.565							
.600							
.650							
.700	-.2170						
.725							
.750							
.760							
.775							
.808							
.834							
.850	-.2850						
.857							
.865	-.3020						
.900	-.2760						
.905							
.950							
.953							
.955							
.953							

TABULATED PRESSURE DATA - IASA

DATE 21 SEP 73

(RBM-31)

AMES 11-707 1A9 C8A + S3 + T9 LOWER WING

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (2) = 1.250 BETAT (5) = 8.230

Y/DW .299 .364 .427 .534 .673 .790 .887
X/CW .965 -.2320

REFERENCE DATA

SREF =	2.4210 SQ.FT.	XGRP =	20.5300 INCHES
LRFP =	39.8490 INCHES	YGRP =	.0000 INCHES
BREF =	39.8490 INCHES	ZGRP =	.0000 INCHES
SCALE =	.0000 SCALE		

SECTION (1) LOWER WING

MACH (1) = 3.150 BETAT (1) = -0.200

DEPENDENT VARIABLE CP

Y/BA	.299	.364	.427	.534	.675	.780	.887
X/CW	-.1160	-.1030	.5540	.7660	.7140	.6940	.6430
.090				.1060	-.0320	-.2120	-.2210
.081			.3000				
.086		-.10240					
.094							
.150	-.1430			.2240	.1210	-.0050	.0550
.177			.2560				
.229	-.0680	.3040					
.246				.1160	.1040	.1110	.0690
.250							
.382	.3310			.1300	.0890		.0690
.400			.0840				
.402							
.497	.3360			-.0160	-.1290		
.550			-.0100				-.1740
.565						-.2010	
.600							
.650	.0090			-.2230			
.700							
.725							
.750			-.3600				
.760				-.3370	-.3440		
.775			-.3750				
.808							
.834	-.3260			-.4780	-.4270	-.4420	
.850							
.857			-.5260				
.865	-.5510			-.5500			-.3290
.940	-.4920						
.945			-.3740				
.950				-.3970	-.5540	-.5230	
.953			-.2470				
.965	-.2210						
Y/BA	.299	.364	.427	.534	.673	.780	.887
X/CW	-.1940	-.1530	.0780	.6780	.6150	.5940	.5380
.140				.0100	-.1470	-.3840	-.3550
.190							
.181			.2340				
.186		.0130					
.194	-.1660						

$$\text{WATN} (1) = 1.090 \cdot \text{BETAT} (2) = -4.080$$

PARAMETRIC DATA

ALPHAT =	-4.000	ORBNIC =	.500
RUDDER =	-15.000	ELEVON =	.000
RUDELFL =	.000		

DATE 20 SEP 75

TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 CEA + S3 + T9 LOWEF WING

(RBM4.32)

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (1) = 1.098 BETAT (2) = -4.090

Y/BA	X/CA	.299	.364	.427	.534	.673	.780	.887
.150					.1490	.0550	-.1000	-.0850
.177				.1710				
.229		-.1400						
.246			.2430					
.250					.0240	-.0240	.0110	.0090
.362		.2740			.0130	.0020		.0140
.400				-.0080				
.402								
.497		.2400			-.1040	-.1990		
.550				-.1240				-.2300
.565							-.2680	
.600								
.650					-.3160		-.3700	-.4030
.700		-.1490						
.725								
.750								
.760				-.3980				
.775					-.3640	-.4190		
.808				-.4040				
.834		-.3300						
.850					-.4980	-.4810	-.5080	
.857				-.5380				
.865		-.5630			-.3660			-.4040
.900		-.2890						
.905				-.1920				
.950					-.2040	-.4460	-.5360	
.953				-.1810				
.965		-.1620						

MACH (1) = 1.100 BETAT (3) = .020

Y/BA	X/CA	.299	.364	.427	.534	.673	.780	.887
.1000		-.2950	-.1790	.4080	.5920	.5100	.4890	.4430
.050					-.1050	-.2460	-.5020	-.4120
.081				.1910				
.166			.0830					
.094		-.1840						
.150					.0510	-.0200	-.1650	-.2200
.177			.1040					
.229		.0640						
.246			.1980					
.250					-.0470	-.1150	-.0890	-.0690
.362		.2160						
.400					-.1120	-.0890		-.0220
.402				-.1300				
.497		.1390						

DATE 21 SEP 73

TABULATED PRESSURE DATA - 1ASA
AMES 11-707 1A9 CGA + S3 + T9 LOWER WING

(RBM.32)

SECTION (1) LOWER WING
DEPENDENT VARIABLE CP

MACH (1) = 1.101	BETAT (4) = 4.130	Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.808					-.4690				
.834			-.3380						
.850						-.5540	-.4790	-.4960	
.857					-.3990				
.865			-.2900						-.3840
.900			-.2570						
.905					-.3690				
.950						-.2180	-.4190	-.5680	
.953					-.2090				
.965			-.2080						
MACH (1) = 1.101	BETAT (5) = 8.260	Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000			-.6010	-.1960	.3070	.4760	.3650	.3070	.2320
.080						-.0570	-.1960	-.6210	-.4290
.081				.0730	.1660				
.086									
.094			-.2680			-.0160	-.0530	-.2150	-.3480
.190					.0690				
.177									
.229			-.0020						
.246				.1250					
.290						-.0820	-.1620	-.1340	-.1280
.362			.0960						.0030
.400						-.1170	-.1060		
.412					-.1550				
.497			.0620						
.550						-.2070	-.2640		
.565									
.610					-.2420				-.2490
.620								-.3090	
.650									
.710			-.2330				-.3680		
.725							-.3950		
.750									
.760					-.4440				
.775						-.4570	-.4520		
.816					-.3270				
.834			-.2680						
.850						-.4630	-.5090	-.4970	
.857					-.3100				
.865			-.2720						-.3650
.910			-.2520						
.915					-.2910				
.950						-.2230	-.2440	-.4970	
.953					-.2750				

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A
AVES 11-707 1A9 02A + S3 + T9 LOWER WING

(RDM432)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = 1.101 BETAT (5) = 0.260

Y/BW	X/CW	CP
.299	.364	.427
.299	.364	.534
.299	.364	.673
.299	.364	.780
.299	.364	.887

MACH (2) = 1.249 BETAT (1) = -0.150

Y/BW	X/CW	CP
.299	.364	.427
.299	.364	.534
.299	.364	.673
.299	.364	.780
.299	.364	.887

Y/BW	X/CW	CP
.000	.000	.3680
.000	.000	.0320
.000	.000	-.2150
.000	.000	-.1680
.000	.000	.2080

Y/BW	X/CW	CP
.001	.001	-.0630
.001	.001	-.0510
.001	.001	.2040
.001	.001	.2130
.001	.001	.0640

Y/BW	X/CW	CP
.002	.002	.3010
.002	.002	.0890
.002	.002	.1960
.002	.002	.1300
.002	.002	.1490

Y/BW	X/CW	CP
.003	.003	.1660
.003	.003	.1510
.003	.003	.1620
.003	.003	.1740
.003	.003	.0610

Y/BW	X/CW	CP
.004	.004	.0550
.004	.004	-.0230
.004	.004	-.0820
.004	.004	-.0590
.004	.004	-.1630

Y/BW	X/CW	CP
.005	.005	-.1470
.005	.005	-.1930
.005	.005	-.2250
.005	.005	-.1760
.005	.005	-.2420

Y/BW	X/CW	CP
.006	.006	-.2120
.006	.006	-.2690
.006	.006	-.3510
.006	.006	-.3190
.006	.006	-.3470

Y/BW	X/CW	CP
.007	.007	-.3530
.007	.007	-.4740
.007	.007	-.4370
.007	.007	-.3720
.007	.007	-.3960

Y/BW	X/CW	CP
.008	.008	-.4940
.008	.008	.2430
.008	.008	-.1380
.008	.008	-.1130
.008	.008	.364

Y/BW	X/CW	CP
.009	.009	.299
.009	.009	.364
.009	.009	.427
.009	.009	.534
.009	.009	.673

Y/BW	X/CW	CP
.010	.010	.780
.010	.010	.887
.010	.010	.6340
.010	.010	.6330
.010	.010	.6340

Y/BW	X/CW	CP
.011	.011	-.1290
.011	.011	-.1250
.011	.011	-.3320
.011	.011	-.2410
.011	.011	.2430

Y/BW	X/CW	CP
.012	.012	.2430
.012	.012	-.1380
.012	.012	-.1130
.012	.012	.364
.012	.012	.427

Y/BW	X/CW	CP
.013	.013	.534
.013	.013	.673
.013	.013	.780
.013	.013	.887
.013	.013	.6340

Y/BW	X/CW	CP
.014	.014	.6330
.014	.014	.6340
.014	.014	.6340
.014	.014	.6340
.014	.014	.6340

Y/BW	X/CW	CP
.015	.015	-.1290
.015	.015	-.1250
.015	.015	-.3320
.015	.015	-.2410
.015	.015	.2430

MACH (2) = 1.250 BETAT (2) = -4.080

DATE 20 SEP 77

TABULATED PRESSURE DATA - IAGA

AMES 11-707 IAG O2A + S3 + T9 LOWER WING

(RBM32)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = 1.250 BETAT (2) = -4.080

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.150			.2050	.1850	.1270	.0040	-.0970
.177							
.229	-.1300	-.0070					
.246				.1120	.0550	.0620	.0400
.250							
.362	-.0680			.0770	.0760		.1150
.400							
.402			.0680				
.497	.2830			-.0010	-.0670		
.550							
.565							
.600							
.650	-.0280			-.1900	-.2040	-.1280	-.0870
.700							
.725							
.780			-.2380				
.775				-.2680	-.2810		
.808			-.2480				
.834	-.2080						
.850				-.3820	-.3440	-.3510	
.857			-.3700				
.865	-.3690						
.900	-.4930			-.3750			-.2730
.905							
.950			-.4950	-.4490	-.4280	-.4290	
.953							
.965	-.3300		-.5020				
Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.1900	-.1190	.1980	.5800	.5420	.5370	.5120
.000				-.0920	-.1740	-.1870	-.2920
.061			.1670				
.106	-.1310						
.194	-.1150			.0940	.0800	-.1490	-.1770
.150							
.177			.1740				
.229	-.1710						
.246	.1650						
.250							
.362	.0540			.0380	-.0080	-.0110	-.0280
.400							
.402				-.0070	.0100		.1620
.497			-.0120				
.550	.1690						

MACH (2) = 1.250 BETAT (3) = .080

DATE 20 SEP 73

TABULATED PRESSURE DATA - 11111

(R04L32)

AXES 11-707 1A9 02A + S3 + T9 LOWER WING

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (2) = 1.250 BETAT (3) = .020

Y/BW	X/BW	CP	Y/BW	X/BW	CP
.590	.299	.364	.427	.534	.675
.565					.780
.600					.887
.650					
.700					
.725					
.750					
.760					
.775					
.808					
.834					
.850					
.857					
.865					
.900					
.905					
.950					
.953					
.965					
.299	.364	.427	.534	.675	.780
.3280	.1580	.2240	.5190	.4370	.4180
.000					.4210
.030					.3540
.061					
.066					
.094					
.150					
.177					
.229					
.246					
.250					
.362					
.411					
.412					
.497					
.550					
.565					
.600					
.650					
.710					
.725					
.750					
.761					
.775					
.299	.364	.427	.534	.675	.780
.3280	.1580	.2240	.5190	.4370	.4180
.000					.4210
.030					.3540
.061					
.066					
.094					
.150					
.177					
.229					
.246					
.250					
.362					
.411					
.412					
.497					
.550					
.565					
.600					
.650					
.710					
.725					
.750					
.761					
.775					

MACH (2) = 1.246 BETAT (4) = 4.110

Y/BW	X/BW	CP	Y/BW	X/BW	CP
.299	.364	.427	.534	.675	.780
.3280	.1580	.2240	.5190	.4370	.4180
.000					.4210
.030					.3540
.061					
.066					
.094					
.150					
.177					
.229					
.246					
.250					
.362					
.411					
.412					
.497					
.550					
.565					
.600					
.650					
.710					
.725					
.750					
.761					
.775					
.299	.364	.427	.534	.675	.780
.3280	.1580	.2240	.5190	.4370	.4180
.000					.4210
.030					.3540
.061					
.066					
.094					
.150					
.177					
.229					
.246					
.250					
.362					
.411					
.412					
.497					
.550					
.565					
.600					
.650					
.710					
.725					
.750					
.761					
.775					

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 02A + S3 + T9 LOWER WING

(RBM432)

SECTION (1) LOWER WING

MACH (2) = 1.246 BETAT (4) = 4.110

MACH (2) = 1.246 BETAT (4) = 4.110								
Y/BW	X/CW	.299	.364	.427	.534	.673	.780	.887
	.808			-.3450				
	.834	-.3270						
	.850			-.4800				
	.857							
	.865	-.3240						
	.900	-.2610						
	.905			-.4890				
	.950			-.2490				
	.953							
	.965	-.2110						
MACH (2) = 1.246 BETAT (5) = 8.210								
Y/BW		.299	.364	.427	.534	.673	.780	.887

MACH (2) = 1.246 BETAT (5) = 6.210

MACH (2) = 1.246 BETAT (5) = 0.210								
Y/BW	X/CW	.299	.364	.427	.534	.673	.780	.887
.000		-.4440	-.2442	.2940	.4690	.3640	.3370	.3210
.050					-.0860	-.2480	-.4340	-.3440
.061				.1190				
.066			-.0390					
.094		-.2590			.0080	.0360	-.1410	-.2460
.150				.0720				
.177								
.229		-.1980						
.246			.1130					
.250					-.0690	-.1060	-.1130	-.1310
.362		.0610			-.0740	-.0790		.0120
.400				-.0790				
.402								
.497		.0270						
.550				-.1900				
.565								-.2090
.600							-.2580	
.650								
.710		-.2040						
.725					-.3170			
.750								
.760				-.4080				
.775				-.3960				
.818								
.834		-.2700						
.850								
.857				-.4140				
.865		-.2660						
.910		-.2570						
.915				-.3580				
.950								
.953				-.2980				
								-.3610

TABULATED PRESSURE DATA - 1A9A

DATE 20 SEP 73

(RDM 32)

AMES 11-707 1A5 02A + S3 + T9 LOWER WING

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (2) = 1.246 BETAT (5) = 0.210

	Y/DN	.364	.427	.534	.673	.780	.887
X/CN	.985	-.214L					

TABULATED PRESSURE DATA - 1A9A

DATE 20 SEP 75

(RBWL33) (27 APR 75)

AMES 11-707 1A9 ORA + S3 + T9 LOWER WING

PARAMETRIC DATA

ALPHAT = -2.000 ORBINC = .500
RUDDER = -15.000 ELEVON = .500
RUDFLR = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
LREF = 39.8490 INCHES YMRP = .0000 INCHES
BREF = 39.8490 INCHES ZMRP = .0000 INCHES
SCALE = .0300 SCALE

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (1) = 1.102 BETAT (1) = -8.200

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW	.000	-.1180	-.0720	.5490	.7690	.7100	.6570
	.050			.2200	.1590	.0840	.0690
	.081			.3650			
	.086	-.0140					
	.094	-.1130					
	.150			.2830	.2210	.1230	.1600
	.177			.5050			
	.229	-.0610					
	.246	.3360		.1710	.1990	.1930	.1630
	.250			.2050	.1520		.1220
	.362	.3530					
	.400			.1520			
	.402						
	.497	.3560		.0590	-.0790		
	.550			.0630			
	.565						-.1370
	.600				-.1520		
	.690				-.2280		
	.700	.1140		-.2040			
	.725						
	.750						
	.760			-.3490	-.3210	-.3150	
	.775						
	.808			-.3990			
	.834	-.3150					
	.850						
	.857			-.5110			
	.865	-.5410					
	.940	-.5390		-.5340			-.3180
	.945						
	.950			-.4300	-.5170	-.5350	-.5040
	.953			-.2330			
	.965	-.2130					
Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
	-.1680	-.1190	.4870	.6990	.6390	.6300	.5760
				.1190	.1290	-.1410	-.1890
			.3020				
		.0440					
	-.1410						

MACH (1) = 1.102 BETAT (2) = -4.080

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

(REF. 33)

AMES 11-757 1A9 C2A + S3 + T9 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = 1.100	BETAT (3) = .020	Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW									
.550									
.565									
.620									
.650									
.700									
.725									
.750									
.760									
.775									
.808									
.834									
.850									
.857									
.865									
.900									
.905									
.950									
.953									
.965									

MACH (1) = 1.101

BETAT (4) = 4.130

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000							
.050							
.081							
.186							
.194							
.150							
.177							
.229							
.246							
.250							
.362							
.410							
.412							
.497							
.550							
.565							
.671							
.650							
.771							
.725							
.750							
.760							
.775							

DATE 25 SEP 73

TABULATED PRESSURE DATA - 1111

AVES 11-707 1A9 CEA + S3 + T9 LOWER MINE

(R04L33)

SECTION (1) LOWER MINE

DEPENDENT VARIABLE CP

NACH (2) = 1.246 BETAT (2) = -4.060

Y/BA X/CA	.299	.364	.427	.534	.673	.780	.887
.150							
.177			.2710				
.229	-.0690						
.246		.1230					
.250				.1990	.1120	.1470	.1510
.362	-.0460			.1320	.1400		.1650
.400			.1250				
.472							
.497	.3240			.0340	-.0490		
.530			.0290				
.565							-.0760
.600						-.0660	
.650							
.700	.0790			-.1750			
.725						-.2000	-.2390
.750			-.1960				
.760				-.2160	-.2530		
.775			-.2200				
.806							
.834	-.1660			-.2620	-.3160	-.3300	
.860							
.857			-.3520				
.865	-.3720						-.2640
.900	-.4760			-.3540			
.915			-.4790				
.950				-.4360	-.3690	-.4120	
.953			-.4930				
.965	-.3130						
Y/BA	.299	.364	.427	.534	.673	.780	.887
X/CA							
.000	-.2200	-.1220	.2600	.6290	.5690	.5620	.5420
.050				.0910	-.0160	-.1340	-.1210
.061			.2440				
.166		-.1260					
.164	-.1440						
.150				.1610	.1600	.0110	.0380
.177			.2040				
.229	-.1530						
.246		.2140					
.250				.0600	.0410	.0630	.0680
.362	.1050			.0240	.0510		.1030
.400							
.472			.0080				
.497	.2130						

NACH (2) = 1.250 BETAT (3) = .000

DATE 20 SEP 75

TABULATED PRESSURE DATA - 1A9A

(R04L33)

AMES 11-707 1A9 02A + S3 + T9 LOWER MING

DEPENDENT VARIABLE CP

SECTION (1) LOWER MING

MACH (2) = 1.250 BETAT (4) = 4.110

Y/RW X/CW	.299	.364	.427	.534	.673	.780	.887
.608			-.3200				
.634	-.3170			-.3920	-.3550	-.3630	
.650			-.4300				
.657							
.665	-.3530			-.4040			-.3010
.908	-.2610						
.905			-.3060	-.4630	-.4230	-.4420	
.950			-.2780				
.953							
.965	-.2140						

MACH (2) = 1.248 BETAT (5) = 6.200

Y/RW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.4470	-.1770	.2200	.5020	.4180	.4030	.3780
.030				.0660	-.0400	-.1790	-.1950
.061			.2010				
.086		-.0170					
.094	-.2530			.0730	.0880	-.0700	-.0510
.130			.1410				
.177							
.229	-.1300						
.246		.1250					
.250				-.0080	-.0570	-.0230	-.0140
.342	.0810			-.0420	-.0390		.0510
.400			-.0820				
.402							
.497	.0810			-.1300	-.1680		-.1770
.550			-.1800				
.565							
.600							
.650						-.2080	
.700	-.1700			-.2910	-.2720		
.725							
.750							
.760			-.3730	-.3570	-.3410		
.775				-.3530			
.816							
.834	-.2320			-.4440	-.3980	-.3980	
.850			-.3370				
.857							
.865	-.2300			-.4640			-.3440
.910	-.2280		-.3170				
.915				-.4280	-.4790	-.4770	
.950			-.2890				
.953							

TABULATED PRESSURE DATA - 1A9A

DATE 20 SEP 73

(RBM.33)

AMES 11-707 1A9 02A + S3 + T9 LOWER WING

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (2) = 1.248 BETAT (5) = 0.200
 Y/BW .298 .364 .427 .534 .673 .780 .887
 X/CW .965 -.2010

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A8A
ANES 11-707 1A9 02A + S3 + T9 LOWER WING

(RBM134) (27 APR 73)

REFERENCE DATA

REF = 2.4210 96.FT. XREF = 28.5300 INCHES
LREF = 39.8490 INCHES YREF = .0000 INCHES
BREF = 39.8490 INCHES ZREF = .0000 INCHES
SCALE = .0300 SCALE

PARAMETRIC DATA

ALPHAT = .000 ORBITMC = .500
RUDDER = -15.000 ELEVON = .000
RUFLR = .000

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (1) = 1.057 BETAT (1) = -0.820

Y/BW	Y/CW	.299	.364	.427	.534	.673	.780	.887
.000	.000	-.1160	-.0310	.5270	.7590	.6880	.7040	.6120
.050	.081			.4220	.3050	.2650	.2010	.2360
.106	.106	-.0940	.0300					
.150	.150			.3470	.3230	.2970	.2030	.2340
.177	.177	-.0390	.3700					
.229	.246				.2340	.2320	.2470	.2140
.250	.250	.3740			.2410	.1930		.1730
.362	.400			.2040				
.402	.497	.3650		.0560	.0680	-.0570		-.1090
.550	.565					-.2070	-.1220	
.600	.650	.1400			-.1900		-.2420	-.2870
.700	.725			-.3410	-.3080	-.2950		
.750	.760			-.3460				
.775	.808	-.3080			-.4480	-.3060	-.3960	
.834	.850			-.5010				
.857	.865	-.5360		-.4380	-.5230			-.2930
.940	.905	-.5210		-.4720	-.5230	-.4920		
.950	.953			-.2240				
.965	.965	-.1960						
Y/BW	Y/CW	.299	.364	.427	.534	.673	.780	.887
MACH (1) = 1.100	BETAT (2) = -4.090							
.140	.140	-.2120	-.1070	.4710	.6950	.6230	.6330	.5520
.150	.150			.3520	.2020	.1610	.1050	.1280
.161	.161		.1430					
.186	.186							
.194	.194	-.1440						

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A

AVES 11-707 1A9 02A + S3 + T9 LOWER WING

(R09M134)

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

MACH (1) = 1.103 BETAT (2) = -4.090

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.150							
.177			.2640				
.229	-.1200						
.246		.3060					
.250				.1160	.1490	.1620	.1350
.362	.3090			.1350	.1100		.1020
.400			.0690				
.402							
.497	.2670			.0220	-.0900		-.1960
.540			.0120				
.565							
.600						-.1650	
.650					-.2460		
.700	.0070			-.2270		-.2640	-.3350
.725							
.750							
.780			-.3710	-.3410	-.3340		
.775							
.806			-.3610				
.834	-.3450						
.890				-.4800	-.4180	-.4360	
.857			-.5900				
.965	-.5620						-.3450
.905	-.5110			-.4060			
.950			-.1750				
.953				-.2150	-.5560	-.5270	
.965	-.1360		-.1610				
Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.140							
.150	-.3550	-.1900	.5920	.6050	.5390	.5430	.4820
.181				.1980	.0520	-.1230	-.0130
.186		.0940	.2780				
.194	-.2170						
.150				.1460	.0970	-.0160	.0710
.177			.1590				
.229	.0710						
.246		.2290					
.250				.0120	.0170	.0880	.1620
.362	.2220						
.410				-.0210	.0430		.1590
.412							
.497	.1530		-.0780				

MACH (1) = 1.099 BETAT (3) = .080

INSULATED PRESSURE DATA - IASA

AMES 11-707 IAS OEA + S3 + T9 LOWER WING

(FORM 34)

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (1) = 1.0225 BETAT (3) = .020

Y/BW X/CW	.299	.364	.427	.534	.673	.765	.867
.930							
.985							
.600							
.680							
.700							
.725							
.750							
.760							
.775							
.808							
.834							
.890							
.857							
.865							
.900							
.905							
.930							
.953							
.965							

MACH (1) = 1.100 BETAT (4) = 4.130

Y/BW X/CW	.299	.364	.427	.534	.673	.760	.867
.000							
.050							
.081							
.096							
.094							
.150							
.17							
.229							
.246							
.250							
.362							
.411							
.412							
.497							
.554							
.563							
.610							
.651							
.710							
.725							
.750							
.760							
.775							

TRANSMITTED PRESSURE DATA - IAGA

JAMES 11-707 1A9 02A + 33 + 79 LOWER WING

2. 数据记录

SECTION (1) - 1107 (1) - 2014

MACH (1) = 1.000 BETAT (5) = 0.250

DEPENDENT VARIABLE CP

632

534	673	780	887
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COUCH (2) = 1.249 BETAT (1) = -8.160

NO.	AGE	SEX	HT	WT	HAIR	COLORED	SCARS	TOOTH	REMARKS
1001	25	M	5' 10"	175	BRN	BLU	NO	NO	NO
1002	25	M	5' 10"	175	BRN	BLU	NO	NO	NO
1003	25	M	5' 10"	175	BRN	BLU	NO	NO	NO
1004	25	M	5' 10"	175	BRN	BLU	NO	NO	NO
1005	25	M	5' 10"	175	BRN	BLU	NO	NO	NO
1006	25	M	5' 10"	175	BRN	BLU	NO	NO	NO
1007	25	M	5' 10"	175	BRN	BLU	NO	NO	NO
1008	25	M	5' 10"	175	BRN	BLU	NO	NO	NO
1009	25	M	5' 10"	175	BRN	BLU	NO	NO	NO
1010	25	M	5' 10"	175	BRN	BLU	NO	NO	NO
1011	25	M	5' 10"	175	BRN	BLU	NO	NO	NO
1012	25	M	5' 10"	175	BRN	BLU	NO	NO	NO
1013	25	M	5' 10"	175	BRN	BLU	NO	NO	NO
1014	25	M	5' 10"	175	BRN	BLU	NO	NO	NO
1015	25	M	5' 10"	175	BRN	BLU	NO	NO	NO
1016	25	M	5' 10"	175	BRN	BLU	NO	NO	NO
1017	25	M	5' 10"	175	BRN	BLU	NO	NO	NO
1018	25	M	5' 10"	175	BRN	BLU	NO	NO	NO
1019	25	M	5' 10"	175	BRN	BLU	NO	NO	NO
1020	25	M	5' 10"	175	BRN	BLU	NO	NO	NO
1021	25	M	5' 10"	175	BRN	BLU	NO	NO	NO
1022	25	M	5' 10"	175	BRN	BLU	NO	NO	NO
1023	25	M	5' 10"	175	BRN	BLU	NO	NO	NO
1024	25	M	5' 10"	175	BRN	BLU	NO	NO	NO
1025	25	M	5' 10"	175	BRN	BLU	NO	NO	NO
1026	25	M	5' 10"	175	BRN	BLU	NO	NO	NO
1027	25	M	5' 10"	175	BRN	BLU	NO	NO	NO
1028	25	M	5' 10"	175	BRN	BLU	NO	NO	NO
1029	25	M	5' 10"	175	BRN	BLU	NO	NO	NO
1030	25	M	5' 10"	175	BRN	BLU	NO	NO	NO
1031	25	M	5' 10"	175	BRN	BLU	NO	NO	NO
1032	25	M	5' 10"	175	BRN	BLU	NO	NO	NO
1033	25	M	5' 10"	175	BRN	BLU	NO	NO	NO
1034	25	M	5' 10"	175	BRN	BLU	NO	NO	NO
1035	25	M	5' 10"	175	BRN	BLU	NO	NO	NO
1036	25	M	5' 10"	175	BRN	BLU	NO	NO	NO
1037	25	M	5' 10"	175	BRN	BLU	NO	NO	NO
1038	25	M	5' 10"	175	BRN	BLU	NO	NO	NO
1039	25	M	5' 10"	175	BRN	BLU	NO	NO	NO
1040	25	M	5' 10"	175	BRN	BLU	NO	NO	NO
1041	25	M	5' 10"	175	BRN	BLU	NO	NO	NO
1042	25	M	5' 10"	175	BRN	BLU	NO	NO	NO
1043	25	M	5' 10"	175	BRN	BLU	NO	NO	NO
1044	25	M	5' 10"	175	BRN	BLU	NO	NO	NO
1045	25	M	5' 10"	175	BRN	BLU	NO	NO	NO
1046	25	M	5' 10"						

.0230	.7550	.7610	.6850
.3040	.2970	.2220	.2390

.3730	.3260	.2140	.2720
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00000	21900	23400	.266
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.2600	.247
.2610	.2460

0120- 0220

500 -

0330
-0990
-0310

0.05/0
-1.320 -1.170

-1380 -1570

-.2730 -.2290 -.2640

-.3470

-419) -3610 -3239

224 673 741 68

.354	.615	.724
.740	.684	.694
		.6

1. 1961. 2210.

100

1

DATE 20 SEP 75 TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 OCA + S3 + T9 LOWER WING

(R89L34)

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (2) = 1.250 BETAT (2) = -4.070

Y/BW .299 .364 .427 .534 .673 .780

X/CW .150 .177 .229 .3010 .2730 .1420 .2590

.246 .250 .362 .1800 .1930 .2050

.400 .402 .497 .0770 .0160 .0640

.550 .565 .600 .0380 .0350 .0380

.650 .700 .725 .0380 .0380 .0380

.750 .760 .775 .1540 .2190 .1540

.808 .834 .850 .2720 .2760 .3010

.857 .865 .900 .3480 .3480 .3480

.905 .950 .953 .4610 .3620 .3620

.965 .3120 .4770 .4770 .4770 .4770

.965 .3120 .4770 .4770 .4770 .4770

.965 .3120 .4770 .4770 .4770 .4770

.965 .3120 .4770 .4770 .4770 .4770

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.965 .3120 .4770 .4770 .4770 .4770

.965 .3120 .4770 .4770 .4770 .4770

.965 .3120 .4770 .4770 .4770 .4770

.965 .3120 .4770 .4770 .4770 .4770

.965 .3120 .4770 .4770 .4770 .4770

MACH (2) = 1.249 BETAT (3) = .020

Y/BW .299 .364 .427 .534 .673 .780 .887

X/CW .150 .177 .229 .3010 .2730 .1420 .2590

.246 .250 .362 .1800 .1930 .2050

.400 .402 .497 .0770 .0160 .0640

.550 .565 .600 .0380 .0350 .0380

.650 .700 .725 .0380 .0380 .0380

.750 .760 .775 .1540 .2190 .1540

.808 .834 .850 .2720 .2760 .3010

.857 .865 .900 .3480 .3480 .3480

.905 .950 .953 .4610 .3620 .3620

.965 .3120 .4770 .4770 .4770 .4770

.965 .3120 .4770 .4770 .4770 .4770

.965 .3120 .4770 .4770 .4770 .4770

.965 .3120 .4770 .4770 .4770 .4770

.965 .3120 .4770 .4770 .4770 .4770

.965 .3120 .4770 .4770 .4770 .4770

MACH (2) = 1.249 BETAT (3) = .020

Y/BW .299 .364 .427 .534 .673 .780 .887

X/CW .150 .177 .229 .3010 .2730 .1420 .2590

.246 .250 .362 .1800 .1930 .2050

.400 .402 .497 .0770 .0160 .0640

.550 .565 .600 .0380 .0350 .0380

.650 .700 .725 .0380 .0380 .0380

.750 .760 .775 .1540 .2190 .1540

.808 .834 .850 .2720 .2760 .3010

.857 .865 .900 .3480 .3480 .3480

.905 .950 .953 .4610 .3620 .3620

.965 .3120 .4770 .4770 .4770 .4770

.965 .3120 .4770 .4770 .4770 .4770

.965 .3120 .4770 .4770 .4770 .4770

.965 .3120 .4770 .4770 .4770 .4770

.965 .3120 .4770 .4770 .4770 .4770

.965 .3120 .4770 .4770 .4770 .4770

MACH (2) = 1.249 BETAT (3) = .020

Y/BW .299 .364 .427 .534 .673 .780 .887

X/CW .150 .177 .229 .3010 .2730 .1420 .2590

.246 .250 .362 .1800 .1930 .2050

.400 .402 .497 .0770 .0160 .0640

.550 .565 .600 .0380 .0350 .0380

.650 .700 .725 .0380 .0380 .0380

.750 .760 .775 .1540 .2190 .1540

.808 .834 .850 .2720 .2760 .3010

.857 .865 .900 .3480 .3480 .3480

.905 .950 .953 .4610 .3620 .3620

.965 .3120 .4770 .4770 .4770 .4770

.965 .3120 .4770 .4770 .4770 .4770

.965 .3120 .4770 .4770 .4770 .4770

.965 .3120 .4770 .4770 .4770 .4770

.965 .3120 .4770 .4770 .4770 .4770

.965 .3120 .4770 .4770 .4770 .4770

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 CCA + S3 + T9 LOWER WING (REML34)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = 1.245 BETAT (4) = 4.110

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.808			-.2670				
.834	-.2950			-.3280	-.3150	-.3490	
.850			-.3930				
.857							
.865	-.2910			-.3990			-.2670
.870	-.1960		-.4720				
.915				-.4680	-.4070	-.4290	
.950			-.3520				
.953							
.965	-.2150						

MACH (2) = 1.247 BETAT (5) = 8.200

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.4320	-.1900	.1700	.4770	.4230	.4330	.1810
.050			.2390	.1280	.0980	-.0360	-.1470
.081		.0440					
.086							
.094	-.2510			.1280	.1090	-.0130	.0270
.150							
.177	-.1070		.1670				
.229		.1390					
.246				-.0040	-.0120	.0350	.0500
.250							
.362	.0940			-.0190	.0080		.0650
.400			-.0460				
.402				-.0890	-.1430		
.497	.0970						
.520			-.1250				-.1580
.565							
.610						-.1810	
.650	-.1470			-.2530			
.700				-.2720		-.2620	-.3140
.725							
.750			-.3510				
.760				-.3320	-.3150		
.775			-.3320				
.800							
.834	-.2210			-.4160	-.3690	-.3810	
.850			-.3180				
.857							
.865	-.2350			-.4260			-.3290
.910	-.2180						
.915			-.3080	-.4130	-.4480	-.4550	
.950							
.953			-.2780				

TABULATED PRESSURE DATA - 1A9A

DATE 20 SEP 73

AMES 11-707 1A9 CGA + S3 + T9 LOWER WING

(SBL34)

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (2) = 1.247 BETAT (5) = 8.200

	Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW	.965	-.1910						

AMES 11-707 1A9 OCA + S3 + T9 LOWER WING

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (1) = 1.095 BETAT (2) = -4.050

Y/BA X/CA	.299	.364	.427	.534	.673	.780	.887
.190			.3180				
.177							
.229	-.0750						
.246		.3410					
.250				.1980	.2400	.2480	.2130
.362	.3250			.2180	.1840		.1360
.400							
.402			.1560				
.497	.3170			.0740	-.0670		
.550			.0640				
.565							
.600							
.690							
.700	.0990			-.2020	-.2100	-.2440	-.2980
.725							
.750							
.760							
.775							
.808							
.834	-.3290						
.850							
.857							
.865	-.5920						
.900	-.3050						
.905							
.920							
.953							
.965	-.1370						
.299		.364	.427	.534	.673	.780	.887
.4180	-.2140		.3320	.5760	.4820	.5340	.4200
.000				.1780	.1570	.1290	.2410
.050			.3180				
.061							
.106		.0710					
.164	-.1740			.1840	.1780	.1490	.1830
.190			.1940				
.177							
.229	.0910						
.246		.2340					
.290				.0560	.1610	.1940	.1660
.362	.2180						
.400				.1810	.1300		.1140
.402			.0020				
.497	.1560						

MACH (1) = 1.095 BETAT (3) = .050

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 02A + S3 + T9 LOWER WING

(R04L35)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = 1.106 BETAT (5) = 0.250

Y/BW .299 .364 .427 .534 .673 .780 .887

X/CW .565 -.2020

MACH (2) = 1.248 BETAT (1) = -0.160

Y/BW .299 .364 .427 .534 .673 .780 .887

X/CW .1000

.0950

.081

.066

.094

.130

.177

.229

.246

.250

.362

.400

.402

.497

.550

.565

.600

.650

.700

.725

.750

.760

.775

.806

.834

.850

.857

.865

.910

.915

.950

.953

.965

MACH (2) = 1.244 BETAT (2) = -4.070

Y/BW .299 .364 .427 .534 .673 .780 .887

X/CW

.140

.150

.161

.186

.194

-.1550 -.1180 .3710 .7440 .6590 .6630 .5550

-.4420 -.3460 -.3120

-.4530

-.4010

-.1420

-.1340

-.1360

-.1360

-.1360

-.1360

DATE 20 SEP 73

TABULATED PRESSURE DATA - IASA
ANES 11-707 IAS OEA + S3 + T9 LOWER WING

(R04L35)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MAC (2) = 1.244 BETAT (2) = -4.070

Y/BJ X/CM	.299	.304	.427	.534	.673	.760	.867
.150							
.177							
.229	-.0400						
.246		.3110					
.250							
.362	.0370						
.400							
.402			.1040				
.497	.3750						
.590							
.595			.0890				
.600							
.690							
.702	.0680						
.725							
.750							
.760							
.775							
.808							
.834	-.1310						
.850							
.857							
.865	-.3490						
.900	-.4600						
.905							
.950							
.953							
.965	-.3330						
Y/BJ	.299	.304	.427	.534	.673	.760	.867
X/CM							
.000	-.3060	-.2500	.3420	.6240	.5500	.5670	.4750
.050				.2430	.2400	.1760	.2520
.101			.3570				
.106	-.0630						
.094	-.1080						
.150							
.177			.2330				
.229	-.0830						
.246		.2910					
.250							
.362	.1060						
.400							
.402			.0490				
.497							
.590							
.595							
.600							
.690							
.702							
.725							
.750							
.760							
.775							
.808							
.834							
.850							
.857							
.865							
.900							
.905							
.950							
.953							
.965							

MAC (2) = 1.250 BETAT (3) = .080

Y/BJ X/CM	.299	.304	.427	.534	.673	.760	.867
.000	-.3060	-.2500	.3420	.6240	.5500	.5670	.4750
.050				.2430	.2400	.1760	.2520
.101			.3570				
.106	-.0630						
.094	-.1080						
.150							
.177			.2330				
.229	-.0830						
.246		.2910					
.250							
.362	.1060						
.400							
.402			.0490				
.497							
.590							
.595							
.600							
.690							
.702							
.725							
.750							
.760							
.775							
.808							
.834							
.850							
.857							
.865							
.900							
.905							
.950							
.953							
.965							

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

(0894.35)

SECTION (1) LOWER WING

MACH (2) = 1.250 BETAT (3) = .020

DEPENDENT VARIABLE CP

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.550							
.565			.0220	.0550	-.0390		-.0570
.600						-.0580	
.650					-.1490		
.700	-.0440			-.1070		-.1620	-.2040
.725							
.750							
.760			-.2230				
.775			-.2450	-.1660	-.2260		
.806							
.834	-.2370			-.3060	-.2430	-.2960	
.850			-.3580				
.857							
.865	-.4080			-.3750			-.2290
.900	-.4900		-.4620				
.905				-.4420	-.3750	-.3750	
.950			-.4540				
.955							
.965	-.2730						
Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000							
.000	-.4250	-.2500	.2570	.5480	.4750	.4820	.4320
.090				.1440	.1290	.0820	.2100
.081			.2700				
.086		-.1160					
.094							
.150				.1080	.1490	.0920	.2220
.177			.1370				
.229	-.1360						
.246		.1980					
.250							
.362	.1750			.1210	.0570	.2320	.1670
.400				.0500	.1570		.1960
.412			.0360				
.497	.0260			.0450	-.0170		
.550			.0120				
.565							
.610							-.1340
.630						-.0520	
.710	-.0610			-.1300			
.725				-.1130			
.750							-.1560
.760			-.2050				-.2190
.775				-.2000	-.2160		

TABULATED PRESSURE DATA - 1A8A

DATE 20 SEP 73

AVES 11-707 1A9 02A + S3 + TO LOWER WING

(R04L55)

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (2) = 1.248 BETAT (4) = -.100

Y/BW .299 .364 .427 .534 .675 .780 .887
X/CW
.803
.844
.190
.157
.865
.900
.905
.950
.953
.965

MACH (2) = 1.248 BETAT (5) = 0.200

Y/BW .299 .364 .427 .534 .675 .780 .887
X/CW
.000
.090
.081
.096
.094
.150
.177
.229
.246
.250
.362
.400
.402
.497
.590
.565
.610
.650
.710
.725
.750
.763
.775
.816
.834
.890
.857
.865
.910
.915
.930
.953

-.2510
-.3280
-.3950
-.4590
-.3050
-.2250
-.2660
-.1320
-.1310
-.0710
-.1320
-.0470
-.0670
-.1310
-.1250
-.0450
-.0800
-.1340
-.0360
-.0870
-.0780
-.1060
-.1290
-.2120
-.2170
-.2710
-.3060
-.2870
-.2640
-.2810
-.3670
-.3900
-.3410
-.2690
-.3960
-.2950
-.4120
-.4370
-.4230
-.2620

-.2830

TABULATED PRESSURE DATA - 1A9A

DATE 20 SEP 73

AXES 11-707 1A9 C2A + S3 + T9 LOWER WING

(R04L35)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = 1.248 BETAT (5) = 8.200

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
	.965	-.1650					

TABULATED PRESSURE DATA - 1A9A

(RBM36) (27 APR 73)

AVES 11-757 1A9 02A + S3 + T9 LOWER WING

REFERENCE DATA

SREF = 2.4210 SQ.FT. XREF = 21.5300 INCHES
 LREF = 39.8490 INCHES YREF = .0000 INCHES
 BREF = 39.8490 INCHES ZREF = .0000 INCHES
 SCALE = .0300 SCALE

SECTION (1) LOWER WING

MACH (1) = 1.103 BETAT (1) = -8.200

DEPENDENT VARIABLE CP

Y/BW
X/CW

.000 .364 .427 .534 .673 .780 .887
 .050 .4250 .4250 .6780 .6050 .5960 .3530
 .081 .4780 .4680 .4240 .4870
 .086 .5320
 .094 .4330 .4430 .3630 .3710
 .150 .4330
 .177 .4340
 .229 .1090
 .246 .4340
 .250 .4150
 .362 .2820
 .402 .2820
 .497 .4140
 .550 .1470
 .565 .1470
 .600 .1670
 .650 .1670
 .700 .1670
 .725 .1670
 .750 .1670
 .760 .1670
 .775 .1670
 .806 .1670
 .834 .1670
 .850 .1670
 .857 .1670
 .865 .1670
 .910 .1670
 .915 .1670
 .950 .1670
 .953 .1670
 .965 .1670

PARAMETRIC DATA

ALPHAT = 4.000 ORBINC = .500
 RUDDER = -15.000 ELEWON = .000
 RUFLR = .000

DATE 20 SEP 73

MACH (1) = 1.099 BETAT (2) = -4.100

.000 .364 .427 .534 .673 .780 .887
 .050 .4250 .4250 .6780 .6050 .5960 .3530
 .081 .4780 .4680 .4240 .4870
 .086 .5320
 .094 .4330 .4430 .3630 .3710
 .150 .4330
 .177 .4340
 .229 .1090
 .246 .4340
 .250 .4150
 .362 .2820
 .402 .2820
 .497 .4140
 .550 .1470
 .565 .1470
 .600 .1670
 .650 .1670
 .700 .1670
 .725 .1670
 .750 .1670
 .760 .1670
 .775 .1670
 .806 .1670
 .834 .1670
 .850 .1670
 .857 .1670
 .865 .1670
 .910 .1670
 .915 .1670
 .950 .1670
 .953 .1670
 .965 .1670

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

(RBM.36)

AMES 11-707 1A9 OCA + S3 + T9 LOWER WING

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (1) = 1.098 BETAT (3) = .020

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.590							
.565							
.600							
.650							
.700	.0130		.0020	.0320	-.0850		-.1280
.725							
.750							
.760							
.775							
.808							
.834	-.3680						
.850							
.857							
.865	-.3210						
.900	-.2620						
.905							
.950							
.953							
.963	-.0850						

MACH (1) = 1.098 BETAT (4) = 4.140

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000							
.030							
.081							
.086							
.094							
.150							
.177							
.229							
.246							
.250							
.362							
.400							
.402							
.497							
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A
AMES 11-707 1A9 O2A + S3 + T9 LOWER WING

(79-136)

SECTION (1) LOWER WING

DEPENDENT VARIABLE C_p

MACH (1) = 1.098 BETAT (4) = 4.140

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.987
.808			-.4230				
.834	-.3870						
.851				-.5010	-.4261	-.4270	
.857			-.4930				
.865	-.2710			-.2480			-.3100
.900	-.2340						
.905			-.1920				
.951				-.1310	-.3160	-.5210	
.953			-.1100				
.965	-.1300						

MACH (1) = 1.100 BETAT (5) = 8.260

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.987
.000	-.6320	-.1650	.0440	.3400	.2370	.3130	.1460
.050				.2190	.2070	.2030	.3920
.081			.2980				
.086		.0720					
.094	-.3190			.1690	.1940	.1710	.1840
.150			.1930				
.177	.0950						
.229		.1860					
.246				.0710	.1580	.1730	.1430
.250							
.362	.1430			.1100	.0860		.1040
.400							
.412			-.0410				
.497	.1060			-.0430	-.1230		
.550			-.0830				
.565							-.1620
.641							
.650						-.1710	
.710	-.1560			-.2620	-.2640		
.725						-.2770	-.3310
.750							
.760			-.3480				
.775				-.3530	-.3430		
.818			-.2700				
.834	-.2130						
.850				-.4090	-.4280	-.4310	
.857			-.2920				
.865	-.2140						-.3320
.910	-.2040			-.4080			
.915			-.2690				
.951				-.3030	-.2940	.0110	
.953			-.2260				

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 02A + S3 + T9 LOWER WING

(RBM.36)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = 1.249 BETAT (3) = .010

	Y/BW	X/BW							
	.550		.299	.364	.427	.534	.673	.780	.887
	.565				.0370	.0920	.0130		
	.603							-.10220	-.00803
	.657								
	.700		-.0140			-.0710			
	.725							-.1103	-.1650
	.750				-.2050				
	.780				-.2430				
	.775					-.1830	-.1980		
	.808								
	.834		-.2350			-.3070	-.2560	-.2490	
	.850								
	.857				-.3610				
	.865								-.2210
	.900		-.4020			-.3750			
	.903		-.4040						
	.905				-.4800				
	.950					-.4320	-.3820	-.3490	
	.953				-.4340				
	.965		-.2460						
	Y/BW		.299	.364	.427	.534	.673	.780	.887
	X/BW								
	.000		-.4350	-.3180	.1610	.5060	.4530	.4690	.3750
	.030					.2080	.2150	.2210	.3540
	.061				.2770				
	.086			-.0990					
	.094		-.1310						
	.150					.1570	.1920	.2220	.2820
	.177				.1640				
	.229		-.1300						
	.246			.1960					
	.250					.0880	.1050	.2880	.2670
	.362		.1650						
	.400					.1510	.2310		.2120
	.402				.0560				
	.497		.0360						
	.550					.0740	-.1410		
	.565				-.0020				
	.600							-.0550	
	.650								
	.700		-.0530						
	.725					-.1270			
	.750							-.1510	-.1960
	.760								
	.775				-.2370				
						-.2220	-.2140		

TABULATED PRESSURE DATA - 1A9A

DATE 20 SEP 73

AMES 11-707 1A9 O2A + S3 + T9 LOWER WING

(R094.36)

SECTION (1) LOWER WING	DEPENDENT VARIABLE CP			
	MACH (2) = 1.246	BETA (5) = 0.210	Y/BW	X/CW
			.299	.364
			.427	.534
			.673	.780
			.887	.887
			.965	-.1670

(RBM 37) (27 APR 73)

JAMES 11-707 1A9 02A ♦ S3 ♦ T9 LOWER WING

REFERENCE DATA

SRP =	2.4210 INCHES	SRP =	28.5500 INCHES
LRP =	39.6490 INCHES	YRP =	.0000 INCHES
DRP =	39.6490 INCHES	ZRP =	.0000 INCHES
SCALE =	.0500 SCALE		

SECTION (1) LOWER WING

$$X_{CH} (1) \approx 1.100 \quad \text{BETAY} (1) = -8.180$$

DEPENDENT VARIABLE CP

Y/B/ X/CW	.29	.364	.427	.534	.673	.780	.867
.000	-.1990	-.1490	.3675	.6350	.5590	.5310	.2760
.090				.5400	.5410	.5040	.5620
.091		.2020	.5710				
.096							
.094	.0260		.4990	.4700	.4940	.4160	.4210
.190							
.77							
.229	.1920						
.246		.4540					
.290				.3630	.4020	.3990	.3560
.362	.4260			.3290	.3110		.2590
.400			.2960				
.402							
.497	.4220		.1460	.1410	.0090		
.590							.0190
.565							
.600							
.690	.1900			-.1470	-.1430		
.700							
.725							
.750			-.3070				
.751							
.775			-.3070	-.2610	-.2230		
.808							
.834	-.2870			-.4090	-.3240	-.3140	
.850							
.857			-.4660				
.865	-.5130			-.4920			-.1650
.910	-.6340						
.915			-.6130				
.950			-.2320	-.5460	-.4670	-.4170	
.953							
.965	-.1090						
Y/B/ X/CW	.299	.364	.427	.534	.673	.780	.867
.000	-.3370	-.3210	.2020	.5760	.5050	.4820	.2190
.090				.4970	.4610	.4290	.5140
.091			.5060				
.096		.1190					
.094							

PARAMETRIC DATA

ALPHAT =	6.000	ORBINC =	.500
RUDDER =	-15.000	ELEVON =	.000
RUDFLR =	.000		

WACH (1) = 1.100 BETAT (2) = -4.000

Y/B ₁	.299	.364	.427	.534	.673	.761	.887
X/CW							
Y/D ₁	-.3300	-.3210	.2620	.3760	.5050	.4820	.2190
X/D ₁				.4570	.4610	.4260	.5140
Y/D ₂			.2160				

DATE 20 SEP 73

TABLED PRESSURE DATA - 1A9A
AVES 11-707 1A9 02A + S3 + T9 LOWER WING

(RDM-37)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = 1.100 BETAT (4) = 4.140

Y/BW X/CM	.299	.364	.427	.534	.673	.780	.887
.808							
.834	-.3950						
.890							
.897							
.885	-.2800						
.900	-.2230						
.905							
.930							
.953							
.965	-.1310						

MACH (1) = 1.089 BETAT (5) = 0.280

Y/BW X/CM	.299	.364	.427	.534	.673	.780	.887
.000							
.080	-.0540	-.1810	-.0890	.2570	.1700	.2490	.0260
.081				.2400	.2820	.2720	.3710
.086		.0440	.2990				
.084	-.2980						
.150							
.177			.1980				
.229							
.246							
.250							
.362							
.400							
.412							
.497							
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							
.818							
.834							
.850							
.897							
.865							
.912							
.915							
.950							
.953							

AVES 11-707 1A9 02A + S3 + T9 LOWER WING

(REV. 37)

SECTION (1) LOWER WING

WACH (2) = 1.240 BETAT (2) = -4.050

DEPENDENT VARIABLE CP

Y/B	.298	.364	.427	.534	.673	.785	.887
X/C			.4140	.4180	.4990	.4060	.4310
.150							
.177							
.229	.0130						
.246		.3940					
.250							
.362	.3400						
.400				.3470	.3370		.3110
.402			.2430				
.497	.3730						
.580				.2070	.0640		
.565			.1680				
.600						.0940	.0620
.650					-.0470		
.700	.2200			-.0410			
.725						-.0990	
.730							
.760							
.775							
.806							
.834	-.1630						
.850							
.857							
.865							
.900							
.905							
.950							
.953							
.965							
Y/B	.299	.364	.427	.534	.673	.785	.887
X/C			.4140	.4180	.4990	.4060	.4310
.000							
.090							
.091							
.106							
.1094							
.190							
.177							
.225							
.246							
.250							
.362							
.410							
.412							
.497							

1.247 BETAT (3) = .020

Y/YW	.299	.364	.427	.534	.673	.763	.800
X/CW	-.3960	-.3760	.1920	.5680	.5180	.5160	.3340
.080				.3860	.3910	.3340	.4680
.080			.4410				
.081		-.0320					
.166				.3303	.3370	.2960	.3640
.094	-.0370		.3191				
.150							
.177							
.225	-.0360						
.246		.2710					
.290				.2120	.2490	.3520	.3420
.362	.2000						
.410				.1930	.2730		.2600
.412			.1140				
.497	.2370						

(RBM.37)

TABULATED PRESSURE DATA - 1A9A

DATE 20 SEP 73

ANES 11-707 1A9 O2A + S3 + T9 LOWER WING

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (2) = 1.252 BETAT (4) = 4.120

Y/BW .299 .364 .427 .534 .573 .785 .887

X/CW

.808	-.2530	-.3310	-.2660	-.2675		
.834						
.850						
.857						
.865	-.3750	-.3940				-.1820
.900	-.1880					
.905		-.4800				
.950		-.4430	-.3840	-.3510		
.953		-.2400				
.965	-.1880					
Y/BW	.299	.364	.427	.534	.573	.785 .887
X/CW	-.4750	-.3200	-.0200	.3160	.2760	.3420 .1610
.000				.2560	.2740	.2220 .3570
.050			.2900			
.081		.0810				
.086		-.1640		.2020	.2420	.2050 .2480
.094			.2410			
.150						
.177	-.0030					
.229		.1650				
.246				.1220	.1670	.2230 .2220
.250						
.362	.0560			.0990	.1430	.1910
.400			.0360			
.402						
.497	.1580			.0150	-.1430	
.550			-.0470			-.0490
.565						
.600						
.650						
.700	-.1180			-.1770		-.1670
.725						
.750						
.760			-.2880			
.775			-.2670			
.818						
.834	-.1810					
.850			-.3160			
.857						
.865	-.2120					
.910	-.1740					
.915			-.3060			
.950				-.4130	-.4110	-.3790
.953			-.2730			
.955						

MACH (2) = 1.247 BETAT (5) = 6.250

Y/BW

X/CW

TABULATED PRESSURE DATA - 1A9A

DATE 21 SEP 71

(RM137)

AMES 11-707 1A9 Q2A + S3 + T9 LOWER WING

DEPENDENT VARIABLE CP

SECTION 1 (1) LOWER WING

MACH (2) = 1.247 BETAT (5) = 8.230

Y/BW

X/CW

.963 -.1540

.687

.700

.673

.532

.427

.364

.299

REFERENCE DATA

20.5500 INCHES	YMRP =	2.4210 SQ.FT.	YMRP =	.0000 INCHES
.0000 INCHES	ZMRP =	39.0490 INCHES	ZMRP =	.0000 INCHES
.0000 INCHES	SCALE =	39.0490 INCHES	SCALE =	.0300 SCALE

SECTION (1) LOWER WING

$$\text{BETAT}(1) = 1.199 \quad \text{BETAT}(1) = -3.170$$

DEPENDENT VARIABLE: CP

ME/1

EXPERIMENTAL DATA

ALPHAT =	2.220	ORGINC =	.500
RUPPER =	-15.000	DELVDY =	.000
ELONGR =	.000		

MACM (1) = 1.099 BETAT (2) = -4.0170

9661	9800	1341	1610	1747
9662	9801	1342	1611	1748
9663	9802	1343	1612	1749
9664	9803	1344	1613	1750
9665	9804	1345	1614	1751
9666	9805	1346	1615	1752
9667	9806	1347	1616	1753
9668	9807	1348	1617	1754
9669	9808	1349	1618	1755
9670	9809	1350	1619	1756
9671	9810	1351	1620	1757
9672	9811	1352	1621	1758
9673	9812	1353	1622	1759
9674	9813	1354	1623	1760
9675	9814	1355	1624	1761
9676	9815	1356	1625	1762
9677	9816	1357	1626	1763
9678	9817	1358	1627	1764
9679	9818	1359	1628	1765
9680	9819	1360	1629	1766
9681	9820	1361	1630	1767
9682	9821	1362	1631	1768
9683	9822	1363	1632	1769
9684	9823	1364	1633	1770
9685	9824	1365	1634	1771
9686	9825	1366	1635	1772
9687	9826	1367	1636	1773
9688	9827	1368	1637	1774
9689	9828	1369	1638	1775
9690	9829	1370	1639	1776
9691	9830	1371	1640	1777
9692	9831	1372	1641	1778
9693	9832	1373	1642	1779
9694	9833	1374	1643	1780
9695	9834	1375	1644	1781
9696	9835	1376	1645	1782
9697	9836	1377	1646	1783
9698	9837	1378	1647	1784
9699	9838	1379	1648	1785
9700	9839	1380	1649	1786
9701	9840	1381	1650	1787
9702	9841	1382	1651	1788
9703	9842	1383	1652	1789
9704	9843	1384	1653	1790
9705	9844	1385	1654	1791
9706	9845	1386	1655	1792
9707	9846	1387	1656	1793
9708	9847	1388	1657	1794
9709	9848	1389	1658	1795
9710	9849	1390	1659	1796
9711	9850	1391	1660	1797
9712	9851	1392	1661	1798
9713	9852	1393	1662	1799
9714	9853	1394	1663	1800
9715	9854	1395	1664	1801
9716	9855	1396	1665	1802
9717	9856	1397	1666	1803
9718	9857	1398	1667	1804
9719	9858	1399	1668	1805
9720	9859	1400	1669	1806
9721	9860	1401	1670	1807
9722	9861	1402	1671	1808
9723	9862	1403	1672	1809
9724	9863	1404	1673	1810
9725	9864	1405	1674	1811
9726	9865	1406	1675	1812
9727	9866	1407	1676	1813
9728	9867	1408	1677	1814
9729	9868	1409	1678	1815
9730	9869	1410	1679	1816
9731	9870	1411	1680	1817
9732	9871	1412	1681	

• 334	• 675	• 721	• 861
• 5291	• 4641	• 3415	• 1131
• 3261	• 4431	• 3331	• 571

SECTION (1) LOWER WING

$$\text{MACH} (1) = 1.099 \quad \text{BETAT} (3) = .023$$

DEPENDENT VARIABLE CP

Y/BM	.299	.364	.427	.534	.673	.780	.887
X/CV							
.50							
.565			.0360	.0710	-.0420		
.600							
.650							-.0330
.700	.0480						
.725							
.750							
.760							
.775			-.3950	-.2160	-.1650	-.0520	
.808							
.834	-.3540			-.3250	-.2710		
.850							
.857			-.4690	-.4560	-.3630	-.3520	
.865	-.2420						
.900	-.2120		-.3500	-.5340			-.2100
.905							
.950				-.1600	-.4950	-.4530	
.953			-.1120				
.965	-.0610						
Y/BM	.299	.364	.427	.534	.673	.780	.887
X/CV							
.000	-.6010	-.3650	-.0110	.4000	.5670	.3480	.0350
.025				.3260	.3790	.3740	.4740
.061			.3170				
.066		.0260					
.094	-.1420						
.190				.2610	.3350	.3200	.3330
.177			.2260				
.229	.0420						
.246		.1900					
.250							
.362	.1480			.1710	.2650	.3070	.2740
.410				.1600	.1940		.1980
.402			.1050				
.497	.1110						
.550				.0110	-.1800		
.565			-.0100				
.600							-.1660
.650						-.1920	
.700	-.0220			-.2250			
.725				-.2350			
.750							-.2500
.730			-.4180	-.3670	-.3120		
.775							

WACH (1) = 1.095 BETAT (4) = 4.160

Y/YW	.299	.364	.427	.534	.573	.780	.887
X/XW	-.6010	-.3650	-.0110	.4000	.4670	.3480	.0390
.001	.025			.3845	.3790	.3740	.4740
.081		.0280	.3170				
.086							
.094	-.1420			.2610	.3350	.3200	.3330
.190			.2260				
.177							
.229	.0420	.1900		.1710	.2650	.3070	.2740
.246							
.250	.1480		.1090	.1600	.1940		.1980
.362							
.402							
.497	.1110		-.0100	.0110	-.1800		
.550							
.565							
.600							
.650							
.700	-.0220			-.2350		-.1920	
.725							
.750							
.775							
.775			-.4180	-.3670	-.3120	-.2180	-.2500

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

AVES 11-707 1A9 O2A + S3 + T9 LOWER WING

(RBM38)

SECTION (1) LOWER WING				DEPENDENT VARIABLE CP							
MACH (1) = 1.095 BETAT (4) = 4.160				Y/BW	.299	.364	.427	.534	.673	.780	.887
				X/CW							
				.908			-.4160				
				.834	-.3630						
				.850				-.4860	-.3990	-.3860	
				.857			-.3440				
				.865	-.2230			-.5500			-.2480
				.900	-.2030		-.3220				
				.905				-.1900	-.5250	-.4840	
				.950			-.1450				
				.953							
				.965	-.1280						
				Y/BW	.299	.364	.427	.534	.673	.780	.887
				X/CW							
				.000	-.0640	-.2950	-.1550	.1240	.1890	.2480	-.0410
				.050				.2720	.3170	.3140	.4380
				.081			.3180				
				.186		-.0010					
				.094	-.2460			.2110	.2660	.2640	.2990
				.150			.2180				
				.177							
				.229	.0940						
				.246		.1630					
				.250				.1140	.2050	.2550	.2440
				.362	.1100			.1150	.1350		.1940
				.400			.0280				
				.412							
				.497	.0800			-.1060	-.1120		
				.550			-.0790				-.0910
				.565						-.1260	
				.670					-.2480		
				.650		-.1470		-.2010			
				.700						-.2420	-.2740
				.725							
				.750			-.3430				
				.760				-.3290	-.3250		
				.775			-.2490				
				.818							
				.834	-.2010			-.3730	-.3990	-.4040	
				.850			-.2650				
				.857							-.2710
				.865	-.2070			-.3820			
				.911	-.1950		-.2660				
				.915				-.2630	-.4700	-.4930	
				.950			-.2100				
				.953							

MACH (1) = 1.097 BETAT (3) = 6.310

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TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 CCA + S3 + T9 LOWER WING

(RBM L38)

SECTION: (1) LOWER WING

DEPENDENT VARIABLE: CF

MACH (2) = 1.251 BETAT (2) = -4.046

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.150							
.177			.4430				
.229	.5530			.4690	.5110	.4930	.4960
.246	.3990						
.250				.3530	.4430	.4810	.4440
.362	.3350			.3760	.3780		.3600
.400			.3020				
.402	.3770						
.497			.2010	.2260	.1070		
.550							.1020
.565							
.600							
.650	.2160					.0820	
.700							
.725							
.750							
.775							
.808							
.834	.1660						
.850							
.857							
.865	.3560						
.870	.4310						
.905							
.950							
.953							
.965	.2440						

MACH (2) = 1.246 BETAT (3) = .020

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.120							
.150			.1550				
.181			.4740				
.186	.0310						
.194							
.150							
.177			.3430				
.229	.0110						
.246	.2880						
.250							
.362	.2180						
.400							
.402							
.497							

SECTION (1) LOWER WING

$$\text{MACH} (2) = 1.246 \quad \text{BETAT} (3) = .020$$

DEPENDENT VARIABLE CP

Y/BM X/CN	.299	.364	.427	.534	.673	.760	.897
.550							
.565				.1440	.0670		
.600			.1160				.0570
.650						.0400	
.700	.1230			-.0700			
.725				-.0690			
.750			-.2200			-.0700	-.1070
.760				-.1830	-.1460		
.775			-.2440				
.808							
.834	-.2250			-.3020	-.2290	-.2210	
.850			-.3650				
.857							
.865	-.4040						-.1480
.900	-.2170			-.3700			
.905			-.4860				
.950				-.4270	-.3530	-.3130	
.953			-.4500				
.965	-.1920						

WACH (2) = 1.243 BETAT (4) = 4.130

Y/BM	.299	.364	.427	.534	.673	.760	.687
X/CV	-.4350	-.3940	-.0100	.4260	.4050	.4360	.1910
.000				.3180	.3680	.4060	.5320
.080			.3080				
.084		.0250					
.086							
.094	-.1060			.2670	.3400	.3900	.4010
.150			.2010				
.177							
.229	-.0700	.1770					
.246				.1750	.3220	.3810	.3540
.250	.1460			.2180	.2570		.2830
.362			.1210				
.400							
.402							
.497	.0500			.0940	.0230		.0370
.550			.0620				
.565							
.644						.0090	
.650	.0630						
.714							
.725			-.1330				
.750						-.1060	-.1310
.761							
.775			-.2560	-.2270	-.1680		

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TABULATED PRESSURE DATA - 'A9A

(RBM.38)

SECTION (1) LOWER WING

MACH (2) = 1.245 BETAT (4) = 4.130

DEPENDENT VARIABLE CP

Y/BN X/CN	.299	.364	.427	.534	.673	.780	.887
.808			-.2730				
.834	-.2570						
.850				-.3360	-.2660	-.2490	
.857			-.3630				
.865	-.2440						
.900	-.1670			-.3680			-.1620
.915			-.3450				
.950				-.4400	-.3840	-.3430	
.953			-.2490				
.965	-.1840						

MACH (2) = 1.245 BETAT (5) = 8.250

Y/BN X/CN	.299	.364	.427	.534	.673	.780	.887
.800	-.4750	-.3580	-.1020	.2470	.2780	.3110	.1090
.850				.2930	.3240	.2860	.4400
.881			.3030				
.896		.0120					
.894	-.1680			.2470	.2670	.2590	.3250
.150			.2430				
.177							
.229	.0860						
.246		.1430					
.250				.1330	.1930	.2840	.2880
.362	.0780			.1150	.1790		.2550
.400							
.402			.0220				
.497	.1820			.0280	-.0310		
.550			-.0230				
.565							
.621							
.650						-.0540	-.0150
.700	-.1130				-.1610		
.725				-.1910			
.750						-.1560	-.1830
.760			-.3020				
.775				-.2810	-.2340		
.818			-.2570				
.834	-.1760						
.850				-.3650	-.3040	-.2930	
.857			-.2670				
.865	-.1830						
.910	-.1690			-.3700			-.1920
.915			-.2800				
.950				-.3670	-.4120	-.3780	
.953			-.2580				

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TABULATED PRESSURE DATA -- 1800

(RBM 36)

AMES 11-707 149 CEA + S3 + T9 LOWER WING

SECTION (1) LOWER WING	DEPENDENT VARIABLE CP								
MACH (2) = 1.245	BETAT (5) = 8.250	Y/BW	.299	.364	.427	.534	.673	.780	.887
		X/CW	.965	-.1530					

AMES 11-707 1A9 02A + S3 + T9 LOWER WING

(RBM 39) (27 APR 73)

REFERENCE DATA

SREF =	2.4215	39. FT.	XREF =	28,530	INCHES
LFREF =	39.8495	INCHES	YREF =	1,600	INCHES
BRREF =	39.8495	INCHES	ZREF =	5,000	INCHES
SCALE =	.0375	SCALE			

PARAMETRIC DATA

ALPHAT =	-8.000	CRBINC =	.500
RUDDER =	-5.000	ELEVON =	.000
RUDFLR =	.000		

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = 1.105 BETAT (1) = -0.180

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.0960	-.2550	.4920	.6825	.6270	.5875	.5380
.050				-.1030	-.2530	-.6910	-.5300
.081			.1510				
.086		-.0750					
.094	-.1930			.1320	-.1290	-.1930	-.4370
.150			.1550				
.177	-.1250						
.246		.2330					
.250				.0230	-.0690	-.0490	-.3170
.362	.2870			.0140	-.0140		.0040
.400			.0050				
.402							
.497	.2840						
.550				-.1170	-.2250		
.565			-.1180				-.1740
.600							
.650						-.2670	
.700	-.1200			-.3320	-.3520		
.725							
.750			-.4070				-.3680
.760				-.3850	-.4330		
.775			-.4090				
.808							
.834	-.3980			-.4960	-.4840	-.5040	
.850							
.857			-.5670				-.4030
.865	-.5870						
.900	-.5930		-.2990				
.905				-.3140	-.4840	-.2920	
.900			-.2710				
.933							
.965	-.2420						
Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.100	-.1820	-.3290	.4050	.5870	.5190	.4550	.4040
.1000				-.2130	-.4220	-.7460	-.6430
.1001			.1090				
.1006		-.1480					
.1004	-.2370						

DATE 20 SEP 73

TABULATED PRESSURE DATA -- 1A9A

(RBM439)

AMES 11-707 1A9 O2A + S3 + T9 LOWER WING

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (1) = 1.057 BETAT (2) = -4.070

	Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW								
.190				.0890				
.177								
.229		-.1420						
.246			.1830					
.290					-.0530	-.1570	-.1790	-.4830
.362		.2390			-.0990	-.1090		-.0500
.400								
.402				-.1040				
.497		.1980						
.550				-.2010	-.1930	-.2980		
.565								-.2950
.600							-.3310	
.650						-.4240		
.700		-.2190			-.4280		-.4250	-.4210
.725								
.750					-.4630			
.760					-.4910	-.9050		
.775					-.4470			
.808								
.834		-.4200			-.5580	-.5670	-.5630	
.890				-.5770				
.857								-.4470
.865		-.0190			-.2840			
.900		-.4000		-.2660				
.905					-.2420	-.2720	-.5570	
.950				-.2590				
.953								
.965		-.1970						
Y/BW	.299		.364	.427	.534	.673	.780	.887
X/CW								
.020		-.2710	-.3760	.3380	.4880	.4040	.3130	.2550
.052					-.2420	-.5310	-.7970	-.7440
.081				.0940				
.146			.0250					
.094		-.2260			-.0760	-.2920	-.4110	-.6330
.190								
.177				.0160				
.229		-.0180						
.246			.1460					
.290					-.1280	-.2130	-.2840	-.5920
.362		.1670			-.1840	-.1860		-.1720
.400								
.402				-.1740				
.497		.1920						

MACH (1) = 1.058 BETAT (3) = .080

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

(RB-139)

AMES 11-707 1A9 02A + S3 + T9 LOWER WING

DEPENDENT VARIABLE CF

SECTION (1) LOWER WING

MACH (1) = 1.104 BETAT (4) = 4.160

Y/BW
X/CW

.808	.299	.364	.427	.534	.673	.780	.887
.834	.0000		.0000	.0000	.0000	.0000	
.850			.0000				
.857	.0000						.0000
.865	.0000						
.900	.0000			.0000	.0000	.0000	
.905							
.950	.0000						
.953							
.965	.0000						

MACH (1) = 1.099 BETAT (5) = 8.310

Y/BW
X/CW

.000	.299	.364	.427	.534	.673	.780	.887
.050	-.4640	-.3780	.2840	.3600	.2120	.0590	-.0280
.101			.0930	-.1780	-.5250	-.8570	-.7250
.186	-.2940	.0250					
.084			.0030	-.1090	-.1000	-.4220	-.7750
.150							
.177	-.0320						
.229		.0940		-.1590	-.2580	-.4320	-.7420
.246							
.250	.0710			-.2050	-.2200		-.0330
.362			-.2080				
.400				-.2760	-.3530		
.402	.0370						
.497							
.550							
.565							
.600							
.650							
.700	-.2400			-.4440	-.4650	-.3780	
.725							
.750							
.760							
.775							
.808							
.834	-.2840			-.5140	-.5180		
.850							
.857				-.5130	-.5750	-.5650	
.865	-.2840						
.900	-.2790			-.4410			-.4780
.905							
.950				-.2150	-.2830	-.3150	
.953							
.965				-.2470			

DATE 20 SEP 73 TABULATED PRESSURE DATA - 1A9A
 AVES 11-707 1A9 CEA + S3 + T9 LOWER WING

(RBL39)

SECTION (1) LOWER WING		DEPENDENT VARIABLE CP				
MACH (2) = 1.245	BETAT (5) = 8.250	Y/BW	.299	.364	.427	.534
		X/CW	.965	-.2220	.673	.780
						.887

AMES 11-707 1A9 CEA + S3 + T9 LOWER WING

(RBNL40)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = 1.101 BETAT (2) = -4.080

	Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW								
.150								
.177				.1690				
.229		-.1440			.1460	.0430	-.0940	-.0820
.246			.2440					
.250					.0210	-.0360	.0120	-.0010
.362		.2670			.0080	.0000		.0260
.400				-.0120				
.402								
.497		.2370			-.1140	-.2180		
.550				-.1350				
.565								
.600								
.690							-.2800	-.2410
.700		-.1640			-.3620			
.725								
.750					-.3680			
.760				-.4010			-.3840	-.4160
.775					-.3740	-.4350		
.808				-.4140				
.834		-.4030						
.850				-.5720	-.5090	-.4970	-.3220	
.857								
.865		-.5960			-.4930			-.4460
.900		-.3380		-.2190				
.905					-.2300	-.5750	-.6050	
.950				-.2130				
.953								
.965		-.1970						

	Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW								
.000								
.050		-.3090	-.1930	.4030	.5890	.9070	.4860	.4420
.081					-.0670	-.1680	-.5100	-.4360
.086			.0720	.1850				
.194		-.1990						
.150								
.177				.0950	.0440	-.0300	-.1760	-.2170
.229		.0530						
.246			.1890					
.250					-.0560	-.1420	-.1000	-.1070
.362		.1940						
.400					-.1210	-.0910		-.1130
.402				-.1370				
.497		.1260						

MACH (1) = 1.101 BETAT (3) = .020

DATE 20 SEP 79 TABULATED PRESSURE DATA - 1A9A

AMES 11-707 IAS OSA + S3 + T9 LOWER WING (RBML40)

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

MACH (1) = 1.101	BETA (3) = .020	Y/BW	X/CW	.299	.364	.427	.534	.673	.780	.887
		.550								
		.565								
		.600								
		.650								
		.700								
		.725								
		.750								
		.760								
		.775								
		.808								
		.834								
		.850								
		.857								
		.865								
		.900								
		.905								
		.950								
		.953								
		.965								

MACH (1) = 1.089	BETA (4) = 4.140	Y/BW	X/CW	.299	.364	.427	.534	.673	.780	.887
		.000								
		.030								
		.061								
		.086								
		.094								
		.130								
		.177								
		.229								
		.246								
		.250								
		.362								
		.410								
		.412								
		.497								
		.550								
		.565								
		.610								
		.650								
		.710								
		.725								
		.750								
		.760								
		.775								

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 ORA + S3 + T9 LOWER WING

(RBM440)

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (1) = 1.099 BETAT (4) = 4.140

Y/BW X/CW	.299	.364	.427	.534	.673	.760	.887
.808			-.4700				
.834	-.3390						
.850				-.5660	-.4910	-.5090	
.857			-.3990				
.865	-.2880						
.900	-.2700			-.4140			-.4230
.905			-.3840				
.920				-.2260	-.4160	-.5820	
.933			-.1900				
.965	-.2120						

MACH (1) = 1.100 BETAT (5) = 8.260

Y/BW X/CW	.299	.364	.427	.534	.673	.760	.887
.000							
.050	-.5790	-.1060	.3270	.4800	.3690	.5110	.2440
.061			.1730	-.0440	-.1680	-.5680	-.4330
.086		.0770					
.094	-.2560						
.150			.0770	.0000	-.0480	-.1990	-.3270
.177							
.229	.0120						
.246		.1390					
.250				-.0790	-.1610	-.1200	-.1060
.362	.1060			-.0950	-.0910		.0340
.400			-.1380				
.402							
.497	.0670						
.550			-.2310	-.1920	-.2590		
.565							
.600							
.650						-.2910	-.2360
.700	-.2180						
.725				-.3770			
.750						-.3730	-.4010
.760			-.4140				
.775				-.4440	-.4320		
.808			-.2920				
.834	-.2490						
.850				-.4350	-.4690	-.4690	
.857			-.2660				
.865	-.2480						
.910	-.2340			-.3950			-.4010
.915			-.2710				
.950				-.2060	-.2530	-.4560	
.953			-.1930				

DATE 20 SEP 73

PAULINE M. WILSON, WPH

AVES 11-707 1A9 02A + 53 + 19 LOWER WING

(RBM44D)

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (1) = 1.100 BETAT (5) = 0.260

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW	.985	-.2320					

MACH (2) = 1.244 BETAT (1) = -0.150

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW	.000	.0010	.3610	.7750	.7390	.7390	.6960
	.050			.0550	-.0270	-.2010	-.1870
	.081		.2250				
	.066	-.0750					
	.094	-.0500		.2840	.2010	.0720	.0570
	.150		.2960				
	.177						
	.229	-.0640					
	.246	.1870		.1930	.0940	.1490	.1350
	.250			.1650	.1520		.1840
	.342	-.0350					
	.400		.1680				
	.402						
	.497	.3900		.0510	-.0460		
	.530		.0570				
	.565						
	.600						
	.650						
	.700	.0580		-.1530			
	.725						
	.750						
	.760						
	.775						
	.808						
	.834	-.1820					
	.850						
	.857						
	.865	-.3680					
	.910	-.4730					
	.905						
	.950						
	.953						
	.965	-.4150					

MACH (2) = 1.245 BETAT (2) = -4.060

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
	.000	-.0830	.2670	.6660	.6380	.6350	.6110
	.100			-.0970	-.1300	-.3130	-.2490
	.181		.2510				
	.186						
	.194	-.1210					

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

AVES 11-70.7 1A9 C2A + S3 + T9 LOWER WING

(RBM LAD)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = 1.252 BETAT (4) = 4.110

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.806							
.834	-.3120						
.850							
.857							
.865	-.3120						
.900	-.2530						
.905							
.930							
.953							
.965	-.2020						

MACH (2) = 1.250 BETAT (5) = 8.210

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000							
.050	-.4410	-.2450	.2980	.4690	.3610	.3380	.3260
.081							
.086							
.094	-.2630						
.150							
.177							
.229	-.1880						
.246							
.250							
.362	.0540						
.400							
.412							
.497	-.0070						
.550							
.565							
.610							
.650							
.710	-.1950						
.725							
.750							
.760							
.775							
.808							
.834	-.2740						
.850							
.857							
.865	-.2730						
.900	-.2510						
.905							
.950							
.953							

TABULATED PRESSURE DATA - 1A9A

DATE 20 SEP 73

(RBM 45)

AMES 11-707 1A9 C2A + S3 + 19 LOWER WING

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (2) = 1.250 BETAT (3) = 0.210

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW	.965	-.2070					

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

(RBM41) (27 APR 73)

AMES 11-757 1A9 Q2A + S3 + T9 LOWER WING

REFERENCE C

SREF = 2.4210 SQ.FT. YREF = 28.5300 INCHES
 LREF = 39.8490 INCHES XREF = .0000 INCHES
 SREF = 39.8490 INCHES ZREF = .0000 INCHES
 SCALE = .0000 SCALE

PARAMETRIC DATA

ALPHAT = .000 ORBINC = .500
 RUDDER = -5.000 ELEVON = .000
 RUDDLR = .000

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (1) = 1.103 BETAT (1) = -8.200

Y/BW .299 .364 .427 .534 .673 .780 .887

X/CW

.000 -.1290 -.0380 .5240 .7560 .7000 .5920

.050

.081

.086

.084

.150

.177

.229

.246

.250

.362

.400

.402

.497

.550

.565

.600

.650

.700

.725

.750

.760

.775

.800

.834

.850

.857

.865

.900

.905

.950

.955

.965

.965

.965

.965

.965

.965

.965

.965

.965

.965

.965

.965

.965

.965

.965

.965

.965

.965

MACH (1) = 1.098 BETAT (2) = -4.080

Y/BW .299 .364 .427 .534 .673 .780 .887

X/CW

.000 -.2100 -.1180 .4670 .6950 .6240 .5490

.000

.000

.000

.000

.000

.000

.000

.000

.000

.000

.000

(RBHL41)

AMES 11-707 1A9 02A + S3 + T9 LOWER WING

SECTION (1) LOWER WING

MACH (1) = 1.098 BETAT (2) = -4.093

DEPENDENT VARIABLE CP

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.190							
.177			.2550				
.229	-.1290						
.245		.3010					
.250							
.362	.3000			.1100	.1310	.1550	.1260
.400				.1260	.1000		.1120
.412			.0600				
.497	.2800						
.550			-.0030	.0030	-.1040		
.565			-.0080				-.1640
.600							
.650	.0030			-.2370	-.2590	-.1750	
.700							
.725							
.750							
.760			-.3820				
.775			-.3900	-.3540	-.3460		
.808							
.834	-.3670			-.4920	-.4340	-.4330	
.890			-.5430				
.857							
.865	-.5720						
.900	-.3480			-.5380			-.3670
.905			-.1870				
.950				-.2210	-.5730	-.5420	
.953			-.1930				
.965	-.1570						

MACH (1) = 1.110 BETAT (3) = .100

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.140							
.150	-.3590	-.1560	.3880	.6150	.5410	.5430	.4790
.180			.2750	.1940	.1650	-.1230	-.1240
.185		.1610					
.194	-.2150						
.150				.1410	.1820	-.1140	.1640
.177			.1580				
.229	.1690						
.240		.2310					
.250				.1460	-.1420	.1790	.1680
.362	.2190						
.400				-.1240	.1410		.1680
.412			-.1800				
.497	.1520						

DEPENDENT VARIABLE CP

SECTION (1) LOWER 21NG

MACH (1) = 1.125 BETAT (3) = .020

Y/BW	.299	.364
X/CW		

.421	.534	.673	.780	.887
- .1129	- .0810	- .1760		
			- .2120	- .2060
		- .2740		
	- .2600		- .3090	- .3630
- .4130	- .3780	- .3650		
- .4210				
	- .5160	- .4550	- .4680	
- .5710				
	- .2380			- .4020
- .2090				
	- .1840	- .5160	- .5620	
- .1800				

$$\text{MACH} (1) = 1.100 \quad \text{BETAT} (4) = 4.130$$

	663.	.364
MD/X		
MB/A		

.427	.534	.673	.760	.887
.3060	.3560	.5040	.4820	.4290
.2260	.0330	.0140	-.0590	-.1030
.0890	.1310	.0460	-.0530	.0520
	-.1050	-.1080	.0630	.1610
	-.1240	.0350		.1690
-.1680				
	-.0470	-.1520		
-.1720				-.2050
			-.2130	
	-.2870			
			-.3240	-.3770
-.4330	-.3960	-.3810		

DATE 20 SEP 79

TABULATED PRESSURE DATA 2 INCH

APES 11-707 1A9 02A + 53 + T9 LOWER WING

(RBM4.1)

SECTION (1) LOWER WING

MACH (1) = 1.100 BETAT (4) = 4.130

DEPENDENT VARIABLE CP									
	Y/BW	X/BW	.299	.364	.427	.534	.673	.780	.887
	.808								
	.834		-.3060						
	.850								
	.857								
	.865		-.2940						
	.900		-.2320						
	.905								
	.950								
	.953								
	.965		-.1420						
	Y/BW	X/BW	.299	.364	.427	.534	.673	.780	.887
	.000		-.6750	-.1260	.2130	.4990	.4110	.4070	.3960
	.050					.0950	.0190	-.0450	-.0370
	.081			.0810					
	.086								
	.094		-.3010			.0980	.0430	-.0240	.0610
	.150								
	.177								
	.229		.0260						
	.246			.1540					
	.250								
	.362		.1250			-.0220	-.0220	.0540	.0650
	.400					-.0290	-.0060		.0630
	.402								
	.497		.0850						
	.550					-.1110	-.1450		
	.565								
	.620								
	.650								
	.710		-.2050						
	.725					-.2920			
	.750								
	.760								
	.775								
	.818								
	.834		-.2160						
	.850								
	.857								
	.865		-.2180						
	.910		-.2040						
	.915								
	.950								
	.953								

MACH (1) = 1.100 BETAT (5) = 6.250

	Y/BW	X/BW	.299	.364	.427	.534	.673	.780	.887
	.000		-.6750	-.1260	.2130	.4990	.4110	.4070	.3960
	.050					.0950	.0190	-.0450	-.0370
	.081			.0810					
	.086								
	.094		-.3010			.0980	.0430	-.0240	.0610
	.150								
	.177								
	.229		.0260						
	.246			.1540					
	.250								
	.362		.1250			-.0220	-.0220	.0540	.0650
	.400					-.0290	-.0060		.0630
	.402								
	.497		.0850						
	.550					-.1110	-.1450		
	.565								
	.620								
	.650								
	.710		-.2050						
	.725					-.2920			
	.750								
	.760								
	.775								
	.818								
	.834		-.2160						
	.850								
	.857								
	.865		-.2180						
	.910		-.2040						
	.915								
	.950								
	.953								

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 O2A + S3 + T9 LOWER WING

(RBM 41)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = 1.110 BETAT (1) = 8.250

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.965	-.2080						

MACH (2) = 1.247 BETAT (1) = -8.160

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.0020	.0070	.4550	.8230	.7590	.6830	
.080				.3050	.2900	.2330	.2320
.081		.0270	.4250				
.086							
.094	-.0160			.3720	.3100	.2290	.2740
.150			.3920				
.177							
.229	-.0090						
.246		.3540					
.250				.2580	.2300	.2940	.2640
.362	.0500			.2590	.2440		.2680
.400							
.402			.2320				
.497	.4490			.1320	.0190		
.550			.1320				
.565							-.0060
.600							
.650					-.1020	-.0310	
.700	.1290			-.0390			
.725							
.750							
.760							
.775							
.818							
.834							
.850							
.857							
.865	-.3290						
.910	-.4410						
.915							
.951							
.952							
.965	-.4230						

MACH (2) = 1.291 BETAT (2) = -4.060

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.1000	-.0630	.3430	.7450	.6850	.6870	.6140
.050				.2220	.2170	.1570	.1420
.081			.3380				
.086							
.094							
.194	-.0750						

DATE 20 SEP 10

11700

AVES 11-707 1A9 02A + S3 + 79 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

WACH (2) = 1.251 BETAT (2) = -4.060

Y/BW	.299	.364	.427	.534	.673	.765	.887
X/CW				.3060	.2620	.1510	.2120
.150			.3130				
.177							
.229	-.0650	.2150					
.246				.2010	.1570	.2250	.2150
.250							
.362	-.0310			.1880	.1970		.2270
.400			.1570				
.402							
.497	.3510			.0830	-.0200		
.550			.0820				
.565							-.0430
.600						-.0670	
.650	.0350			-.1250	-.1410		
.700							
.725						-.1670	-.2150
.750							
.760							
.775							
.806							
.834	-.1830			-.2670	-.2780	-.3010	
.890							
.857							
.865	-.3590			-.3410			-.2580
.900	-.4620						
.905							
.950				-.4160	-.3620	-.3810	
.953							
.965	-.3090						

WACH (2) = 1.246 BETAT (3) = .020

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW				.6470	.5740	.5920	.5210
.000	-.2480	-.1380	.3210	.1630	.1440	.1740	.0520
.050			.3140				
.081							
.086							
.084	-.1140						
.150				.1970	.1890	.1710	.1160
.177			.2290				
.229	-.1100						
.246		.2380					
.250				.1300	.1490	.1230	.1250
.362	.1380			.1860	.1920		.1580
.410							
.412			.1240				
.497	.2290						

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 C2A + S3 + T9 LOWER WING

(RDM41)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = 1.246 BETAT (3) = .020

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.550							
.565							
.600							
.650							
.700	-.0880						
.725							
.750							
.760							
.775							
.808							
.834	-.2560						
.850							
.857							
.865	-.4180						
.900	-.4390						
.905							
.950							
.953							
.965	-.2850						
Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.4020	-.1620	.2880	.5830	.4900	.4970	.4780
.050				.0810	.0090	-.0420	-.0290
.081							
.086	-.1350		.2380				
.094	-.1700			.0770	.0950	.0020	.0690
.150							
.177			.1430				
.229	-.1680						
.246		.1910					
.250							
.362	.1470			.1460	-.0590	.1430	.1280
.411				.0210	.0810		.1420
.412							
.497	.11450						
.550							
.565							
.611							
.650							
.710	-.1190						
.725							
.750							
.760							
.775							

MACH (2) = 1.247 BETAT (4) = 4.110

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.4020	-.1620	.2880	.5830	.4900	.4970	.4780
.050				.0810	.0090	-.0420	-.0290
.081							
.086	-.1350		.2380				
.094	-.1700			.0770	.0950	.0020	.0690
.150							
.177			.1430				
.229	-.1680						
.246		.1910					
.250							
.362	.1470			.1460	-.0590	.1430	.1280
.411				.0210	.0810		.1420
.412							
.497	.11450						
.550							
.565							
.611							
.650							
.710	-.1190						
.725							
.750							
.760							
.775							

TABULATED PRESSURE DATA - 1A9A

SEP 73

AMES 11-707 1A9 OGA + S3 + T9 LOWER WING

(NBSM41)

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (2) = 1.247 BETAT (4) = 4.110

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.808			-.2640				
.834	-.2650						
.850				-.3280	-.2940	-.3510	
.857							
.865	-.2730			-.3920			-.3090
.900	-.1950						
.905			-.4600				
.950				-.4600	-.4000	-.4140	
.953			-.2680				
.965	-.2000						

MACH (2) = 1.246 BETAT (5) = 6.200

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.4530	-.1660	.1780	.5160	.4410	.4300	.3780
.050				.1080	.0440	-.0420	-.0670
.061		.0630	.2390				
.086							
.094	-.2390			.1400	.0700	-.0300	.0050
.150			.1750				
.177	-.1080						
.229		.1450					
.246				-.0080	-.0720	.0160	.0400
.290	.0970			-.0280	.0070		.0670
.362			-.0420				
.400	.1020			-.0910	-.1480		
.412							
.497			-.1260				-.1520
.550							
.565							
.611							
.650							
.711	-.1420			-.2610	-.2510		
.725							
.750							
.760			-.3500				
.775				-.3280	-.3130		
.816			-.3180				
.834	-.2160			-.4180	-.3680	-.3760	
.850							
.857			-.3170				
.865	-.2190						
.911	-.1990			-.4300			-.3470
.915			-.2640				
.950				-.4180	-.4480	-.4510	
.953			-.1910				

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

AVES 11-707 1A9 OCA + S3 + T9 LOWER WING (RBNL41)

SECTION : 1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = 1.246 BETAT (5) = 8.200

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW	.965	-.1720					

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 28.5300 INCHES
 LREF = 39.8490 INCHES YMRP = .0000 INCHES
 BREF = 39.8490 INCHES ZMRP = .0000 INCHES
 SCALE = .0000 SCALE

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = 1.101 BETAT (1) = -0.190

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.100	-.1360	-.1060	.4260	.6750	.6020	.5990	.3750
.050				.4820	.4810	.4480	.4860
.001		.1790	.5350				
.006	-.1020			.4320	.4420	.3770	.3700
.094			.4350				
.190							
.177	.1060	.4380		.3940	.3530	.3610	.3170
.229				.3150	.2860		.2370
.246	.4160		.2630				
.250				.1360	-.0120		-.0150
.362	.4170		.1470				
.400				-.1460			
.402				-.3090	-.2370		-.2170
.497				-.2660	-.2370		
.551				-.3080			
.565				-.4110	-.3340	-.3350	
.600	-.2940		-.4670				-.2390
.650				-.4810			
.710	.1910			-.6000	-.4730	-.4350	
.725				-.2190			
.751							
.761							
.775							
.818							
.834							
.891							
.907							
.965	-.5110						
.971	-.6260						
.975							
.991							
.993							
.961	-.1780						
Y/BW	.299	.564	.427	.534	.673	.780	.887
X/CW	-.2600	-.1760	.3580	.6310	.5570	.5510	.5270
.162			.4590	.3810	.3750	.3540	.4110
.191							
.181							
.186	.1080						
.194	-.1780						

MACH (1) = 1.102 BETAT (2) = -4.090

DATE 20 SEP 73 TADULATED PRESSURE DATA - 1A9A

APES 11-707 1A9 (2A + S3 + T9 LOWER WING

(RDM42)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = 1.152 BETAT (2) = -4.090

Y/BW X/CW	.259	.364	.427	.534	.673	.780	.887
.150							
.177			.3460				
.229	.0460						
.246		.3600					
.253				.2360	.2720	.2990	.2590
.362	.3270			.2450	.2230		.1650
.410			.1660				
.412							
.497	.3280			.0910	-.0560		-.0810
.550			.0830				
.565							
.600							
.650							
.700	.1160			-.1870		-.1060	
.725							
.750							
.760							
.775							
.808							
.834	-.3300						
.890							
.857							
.865	-.5350						
.900	-.3960						
.915							
.950							
.953							
.965	-.1210						
.299		.364	.427	.534	.673	.780	.887
.427							
.3370	-.4810		.2760	.5360	.4710	.4840	.2810
.141				.2660	.2710	.2760	.3560
.150							
.181			.3630				
.186		.0730					
.194							
.190							
.177			.2340				
.229	.0910			.2350	.2450	.2370	.2510
.246							
.250	.2600						
.362				.1240	.1990	.2420	.2140
.410	.2190						
.410				.1830	.1630		.1460
.412							
.497			.0910				

MACH (1) = 1.098 BETAT (3) = .020

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.141							
.150							
.181							
.186		.0730					
.194							
.190							
.177			.2340				
.229	.0910			.2350	.2450	.2370	.2510
.246							
.250	.2600						
.362				.1240	.1990	.2420	.2140
.410	.2190						
.410				.1830	.1630		.1460
.412							
.497			.0910				

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

AVES 11-707 1A9 02A + S3 + T9 LOWER WING

(RBM42)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = 1.098 BETAT (3) = .020

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.550							
.565			.0000	.0280	-.0870		-.1290
.600						-.1220	
.650							
.700	.0120			-.2350	-.2210		
.725							
.750							
.760			-.3980			-.2430	-.2830
.775			-.3980	-.3460	-.3050		
.818							
.834	-.3990			-.4800	-.3990	-.4090	
.850							
.857			-.5390				
.865	-.3000			-.2130			-.2980
.900	-.2600		-.1580				
.905				-.1260	-.5280	-.4990	
.950			-.1260				
.953							
.965	-.0790						

MACH (1) = 1.099 BETAT (4) = 4.140

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.120							
.050	-.3990	-.2380	.1540	.4400	.4100	.4060	.2050
.081			.2680	.2220	.2390	.2320	.3150
.086		.0570					
.094	-.2230			.1870	.2060	.1880	.2130
.150							
.177			.1660				
.229	.1770						
.246		.1740					
.250				.1050	.1630	.2160	.1780
.362	.1610			.1240	.1270		.1150
.410			.1640				
.412							
.497	.1590			-.1270	-.1140		
.550			-.1250				-.1570
.565							
.610						-.1470	
.650					-.2540		
.710	-.1050			-.2620			-.2680
.725							-.3110
.750							
.760			-.4150				
.775				-.3740	-.3370		

DATE 20 SEP TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 OCA + S3 + T9 LOWER WING

(RBM4.42)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = 1.099 BETAT (4) = 4.140

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.808			-.4120				
.834	-.3480						
.850				-.5010	-.4250	-.4280	
.857			-.4690				
.865	-.2810			-.2280			-.3480
.900	-.2340						
.905			-.2000				
.950			-.0960				
.953				-.1310	-.2910	-.5230	
.965	-.1160						

MACH (1) = 1.100 BETAT (5) = 8.260

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.6270	-.1640	.0420	.3520	.2550	.3050	.1230
.050			.3020	.2120	.2040	.2240	.2960
.081		.0770					
.086							
.121	-.3050			.1700	.1870	.1740	.1900
.150			.1970				
.177							
.229	.0600	.1900					
.246				.0760	.1480	.1770	.1450
.250							
.362	.1440			.1080	.0990		.1180
.400			.0000				
.402							
.497	.1070			-.0410	-.1320		
.550			-.0760				
.565							-.1580
.600						-.1650	
.650					-.2590		
.700	-.1440			-.2740		-.2730	-.3260
.725							
.750			-.3350				
.760				-.3460	-.3380		
.775			-.2480				
.800							
.834	-.1950			-.3970	-.4210	-.4260	
.850			-.2730				
.857							
.865	-.2120						-.3580
.900	-.1920			-.3930			
.905			-.2480				
.950				-.2790	-.2350	-.4940	
.953							
.965			-.1520				

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 ORA + S3 + T9 LOWER WING

(RBHL42)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = 1.100 BETAT (5) = 0.260

	Y/BW	.299	.364	.427	.534	.673	.780	.867
X/CW	.965	-.1810						

MACH (2) = 1.245 BETAT (1) = -0.140

	Y/BW	.299	.364	.427	.534	.673	.780	.867
X/CW	.965	-.1810						

	Y/BW	.299	.364	.427	.534	.673	.780	.867
X/CW	.965	-.1810						

	Y/BW	.299	.364	.427	.534	.673	.780	.867
X/CW	.965	-.1810						

	Y/BW	.299	.364	.427	.534	.673	.780	.867
X/CW	.965	-.1810						

	Y/BW	.299	.364	.427	.534	.673	.780	.867
X/CW	.965	-.1810						

	Y/BW	.299	.364	.427	.534	.673	.780	.867
X/CW	.965	-.1810						

	Y/BW	.299	.364	.427	.534	.673	.780	.867
X/CW	.965	-.1810						

	Y/BW	.299	.364	.427	.534	.673	.780	.867
X/CW	.965	-.1810						

	Y/BW	.299	.364	.427	.534	.673	.780	.867
X/CW	.965	-.1810						

	Y/BW	.299	.364	.427	.534	.673	.780	.867
X/CW	.965	-.1810						

	Y/BW	.299	.364	.427	.534	.673	.780	.867
X/CW	.965	-.1810						

	Y/BW	.299	.364	.427	.534	.673	.780	.867
X/CW	.965	-.1810						

	Y/BW	.299	.364	.427	.534	.673	.780	.867
X/CW	.965	-.1810						

	Y/BW	.299	.364	.427	.534	.673	.780	.867
X/CW	.965	-.1810						

	Y/BW	.299	.364	.427	.534	.673	.780	.867
X/CW	.965	-.1810						

	Y/BW	.299	.364	.427	.534	.673	.780	.867
X/CW	.965	-.1810						

MACH (2) = 1.245 BETAT (2) = -4.146

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP
MACH (2) = 1.249 BETAT (3) = .020

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.550			.0360	.0640	.0000		
.565							-.0060
.620							
.650							
.700	-.0140			-.0740	-.0670	-.0160	
.725							
.750			-.2040	-.1830	-.1620	-.1060	-.1640
.760							
.775			-.2420				
.818							
.834	-.2360			-.3100	-.2540	-.2480	
.850			-.3660				
.857							
.865	-.3940			-.3790			-.2210
.900	-.4190						
.905			-.4870				
.950				-.4370	-.3790	-.3450	
.953			-.4570				
.965	-.2440						

MACH (2) = 1.247 BETAT (4) = 4.110

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.025	-.4350	-.3150	.1600	.5080	.4520	.4920	.3570
.050				.2180	.2260	.2610	.3640
.081			.2850				
.086	-.0920						
.184	-.1220						
.150				.1660	.1960	.2330	.2870
.177			.1700				
.229	-.1210						
.246		.2060					
.250				.0970	.1640	.2970	.2710
.362	.1700			.1730	.2340		.2190
.410							
.412			.1060				
.497	.1410			.1610	-.1020		
.555			.1930				
.565							-.1340
.620							
.650						-.1480	
.700	-.0330			-.1170			
.725							-.1430
.750							-.1950
.760			-.2300				
.775				-.2110	-.1970		

SECTION (1) LOWER WING

MACH (2) = 1.247 BETAT (4) = 4.110

DEPENDENT VARIABLE CP	
Y/BW	X/CW
.808	
.834	-.2370
.850	
.857	
.865	-.3370
.870	-.2170
.905	
.950	
.953	
.965	-.1990

MACH (2) = 1.246 BETAT (5) = 6.210

DEPENDENT VARIABLE CP	
Y/BW	X/CW
.808	
.834	-.2370
.850	
.857	
.865	-.3370
.870	-.2170
.905	
.950	
.953	
.965	-.1990

.427	.364	.299	.534	.673	.780	.887
-.2540						
-.3750			-.3200	-.2760	-.2770	
-.4790			-.3810			-.2290
-.2140			-.4400	-.3940	-.3680	
.427	.364	.299	.534	.673	.780	.887
.0420	-.2640	-.4710	.4190	.3370	.3020	.2360
.2680	.0690		.2450	.1930	.1450	.2710
.2200			.1590	.1750	.1410	.1930
.1700						
.0760	.0960		.0760	.0960	.1660	.1660
.0990	.1300		.0990	.1310	.1620	
.0260						
-.1450			.0230	-.1690		-.1040
-.1790	-.0730		-.1790		-.1970	
-.2860						
-.2810			-.2730	-.2490	-.1930	-.2480
-.3150						
-.3150			-.3810	-.3150	-.3240	
-.2020						
-.4210			-.4210			-.2830
-.3110						
-.4320			-.4320	-.4270	-.4040	
-.2230						

04/11/79

04/11/79

AMES 11-707 1A9 02A + S3 + T9 LOWER MING

(RDM42)

DEPENDENT VARIABLE CP

SECTION (1) LOWER MING

MACH (2) = 1.246 BETAT (5) = 0.210

Y/BW
X/CW

.299	.364	.427	.534	.573	.700	.887
.965	-.1650					

ANES 11-707 1A9 02A + S3 + T9 LOWER WING

(R64-43) (27 APR 73)

REFERENCE DATA

3"EF =	2.4210 SQ.FT.	YORF =	20.5300 INCHES
1"EF =	39.6490 INCHES	YARP =	.0000 INCHES
2"EF =	39.6490 INCHES	ZORF =	.0000 INCHES
SCALE =	.0310 SCALE		

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

WACH (1) = 1.101 BETAT (1) = -8.160

Y/BW	.299	.364	.427	.534	.673	.780	.887
Y/W	-.2210	-.2560	.2680	.6080	.5100	.4580	.1430
.030				.6060	.6270	.6030	.6310
.081		.2340	.6150				
.086							
.094	.0710			.5120	.5490	.4920	.4780
.150			.4890				
.177	.1930						
.229		.4800					
.246							
.250				.3970	.4360	.4480	.4020
.362	.4370			.3450	.3470		.3100
.400			.3100				
.402							
.497	.4200			.1500	.0380		
.550			.1480				.1560
.565						.0120	
.600							
.650	.1960			-.1330	-.1270		-.1550
.725							
.750							
.760							
.775							
.834	-.2930						
.850							
.857							
.865	-.4570						
.940	-.6130						
.905							
.950							
.953							
.965	-.1060						
Y/BW	.299	.364	.427	.534	.673	.780	.887
X/W	-.4130	-.4610	.2040	.5450	.4640	.4190	.1990
.020				.5260	.5570	.5370	.5830
.081			.5430				
.186		.1270					
.194	.1030						

SECTION (1) LOWER WING

MACH (1) = 1.099 BETAT (4) = 4.150

DEPENDENT VARIABLE CP

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.806			-.4000				
.834	-.3300			-.4810	-.3690	-.3900	
.850			-.3670				
.857	-.2430			-.5450			-.2070
.865	-.1680		-.2970	-.1860	-.5280	-.4860	
.900			-.1090				
.905							
.920							
.923							
.965	-.1280						

MACH (1) = 1.086 BETAT (5) = 6.300

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.0680	-.2450	-.1300	.1380	.1750	.2320	-.0730
.080			.3180	.2700	.3930	.3390	.4340
.081		-.0010					
.086	-.2430			.2110	.2640	.2670	.2930
.094			.2140				
.130							
.177	.0510						
.229		.1600					
.246				.1160	.2010	.2480	.2380
.290				.1160	.1410		.2170
.362	.1000		.0290				
.400							
.422	.0720		-.1040	-.0370	-.1180		
.497							
.590							
.665							
.680							
.690							
.700	-.1480						
.725				-.2840	-.2540		
.750							
.760			-.3410	-.3380	-.3290		
.775			-.2470				
.818							
.834	-.1980			-.3730	-.4140	-.4180	
.850			-.2580				
.857							
.865	-.2180			-.3660			-.3110
.910	-.1940		-.2530	-.2540	-.4840	-.6950	
.915							
.950							
.953			-.1410				

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A
AMES 11-707 1A9 02A + S3 + T9 LOWER WING

(RBM L43)

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (1) = 1.099 BETAT (5) = 8.320

Y/BW .299 .364 .427 .534 .673 .780 .887

X/CW .965 -.1820

MACH (2) = 1.245 BETAT (1) = -8.110

Y/BW .299 .364 .427 .534 .673 .780 .887

X/CW .000 -.1190 -.1530 .3940 .7210 .6350 .3200

.050 .081 .086 .084 .190 .177 .229

.246 .250 .362 .400 .402 .497 .530

.565 .600 .650 .700 .725 .750 .760

.775 .848 .834 .851 .857 .865 .911

.915 .951 .953 .965

.050 .081 .086 .084 .190 .177 .229

.246 .250 .362 .400 .402 .497 .530

.565 .600 .650 .700 .725 .750 .760

.775 .848 .834 .851 .857 .865 .911

.915 .951 .953 .965

.050 .081 .086 .084 .190 .177 .229

.246 .250 .362 .400 .402 .497 .530

.565 .600 .650 .700 .725 .750 .760

.775 .848 .834 .851 .857 .865 .911

.915 .951 .953 .965

.050 .081 .086 .084 .190 .177 .229

.246 .250 .362 .400 .402 .497 .530

.565 .600 .650 .700 .725 .750 .760

.775 .848 .834 .851 .857 .865 .911

.915 .951 .953 .965

.050 .081 .086 .084 .190 .177 .229

.246 .250 .362 .400 .402 .497 .530

.565 .600 .650 .700 .725 .750 .760

.775 .848 .834 .851 .857 .865 .911

.915 .951 .953 .965

.050 .081 .086 .084 .190 .177 .229

.246 .250 .362 .400 .402 .497 .530

.565 .600 .650 .700 .725 .750 .760

.775 .848 .834 .851 .857 .865 .911

.915 .951 .953 .965

.050 .081 .086 .084 .190 .177 .229

.246 .250 .362 .400 .402 .497 .530

.565 .600 .650 .700 .725 .750 .760

.775 .848 .834 .851 .857 .865 .911

.915 .951 .953 .965

.050 .081 .086 .084 .190 .177 .229

.246 .250 .362 .400 .402 .497 .530

.565 .600 .650 .700 .725 .750 .760

.775 .848 .834 .851 .857 .865 .911

MACH (2) = 1.249 BETAT (2) = -4.040

Y/BW .299 .364 .427 .534 .673 .780 .887

X/CW .144 -.3010 -.3270 .2390 .6290 .5570 .5340

.150 .181 .186 .186 .5620

.194 .1470

.144 -.3010 -.3270 .2390 .6290 .5570 .5340

.150 .181 .186 .186 .5620

.194 .1470

.144 -.3010 -.3270 .2390 .6290 .5570 .5340

.150 .181 .186 .186 .5620

.194 .1470

.144 -.3010 -.3270 .2390 .6290 .5570 .5340

.150 .181 .186 .186 .5620

DATE 24 SEP 73

 TABULATED PRESSURE DATA - 1A9A
 AMES 11-707 1A9 02A + S3 + T9 LOWER WING

(RBMJ43)

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (2) = 1.246 BETAT (3) = .020

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.550			.1140	.1190	.0550		.0580
.565						.0410	
.600							
.650	.1200			-.0780		-.0755	-.1080
.700							
.725							
.750							
.760			-.2190				
.775			-.2450				
.818							
.834	-.2430						
.850			-.3510				
.857							
.865	-.4070						-.1650
.900	-.2150						
.905			-.4740				
.950							
.953			-.4260				
.965	-.1940						

MACH (2) = 1.245 BETAT (4) = 4.130

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.4360	-.3970	-.0140	.4200	.4040	.4380	.1620
.050				.3200	.4020	.4330	.5310
.081		.0310	.3160				
.086							
.094	-.0950			.2750	.3580	.3950	.3980
.150			.2100				
.177							
.229	-.0610						
.246		.1910					
.250				.1770	.2520	.3850	.3540
.362	.1530			.2220	.2620		.2920
.414							
.412			.1360				
.497	.0650			.1690	.1110		
.550			.1720				
.565							.1350
.614						.1180	
.650	.0680						
.714				-.1310	-.1060		
.725							-.1360
.750							
.760			-.2420				
.775				-.2250	-.1890		

DATE 20 SEP 73

TABULATED PRESSURE DATA - 149A

AMES 11-707 1A9 CEA + S3 + T9 LOWER WING

(RBM-43)

SECTION (1) LOWER WING

MACH (2) = 1.245 BETAT (4) = 4.130

DEPENDENT VARIABLE CP

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.808			-.2610				
.834	-.2400						
.850				-.3350	-.2680	-.2520	
.857			-.3680				
.865	-.2240						-.1850
.900	-.1550			-.3960			
.905			-.2910				
.930				-.4360	-.3850	-.3470	
.953			-.2010				
.965	-.1750						

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000							
.030	-.4800	-.3750	-.1080	.2580	.2860	.3120	.0790
.080			.2970	.2850	.3180	.3080	.4320
.081		-.0080					
.086							
.094	-.1730			.2380	.2550	.2630	.3190
.150			.2410				
.177							
.229	.0630						
.246		.1380					
.250				.1270	.1520	.2060	.2840
.362	.0780			.1220	.1860		.2480
.400							
.412			.0210				
.497	.1550			.0340	-.0440		
.530			-.0120				
.565							-.10160
.620					-.0540		
.650							
.710	-.0950			-.1940	-.1610		
.725							
.750							
.760			-.2980				
.775				-.2840	-.2350		
.818			-.2460				
.834	-.1760						
.850				-.3580	-.3180	-.2920	
.857			-.2580				
.865	-.1770						-.2190
.910	-.1680			-.3590			
.915			-.2620				
.950				-.3590	-.4140	-.3790	
.953			-.1780				

TABULATED PRESSURE DATA - 1A9A

DATE 20 SEP 73

(RBM43)

AMES 11-707 1A9 OZA + S3 + T9 LOWER WING

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (2) = 1.246 BETAT (5) = 0.250

	Y/BW	.299	.364	.427	.534	.573	.760	.887
X/CW	.965	-.1540						

DATE 20 02/4 93

HULL/LES PRELIMINARY DATA

AMES 11-707 1A9 OCA + S3 + T9 LOWER WING

(RBM 44) (27 APR 73)

REFERENCE DATA

GREF = 2.4210 50.FT. XMRP = 28.5300 INCHES
 LREF = 39.8490 INCHES YMRP = .0000 INCHES
 BREF = 39.8490 INCHES ZMRP = .0000 INCHES
 SCALE = .0000 SCALE

SECTION (1) LOWER WING

DEPENDENT VARIABLE CF

MACH (1) = .600 ALPHAT(1) = -0.090

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.1640	-.3660	-.0600	-.1960	-.2890	-.5230	-.4630
.050				-.7380	-.9800	-1.1630	-.8350
.081		-.2510	-.3030				
.086							
.094	-.1050			-.4090	-.6430	-.6340	-.7790
.120			-.3700				
.177	-.0590						
.229	-.1910			-.3990	-.4540	-.4560	-.6450
.246							
.250				-.3010	-.3100		-.3290
.362	-.0690		-.3990				
.400				-.3610	-.4200		
.402			-.3720				-.3070
.497	-.2350				-.3460		
.550				-.3130		-.2330	-.2010
.565							
.600				-.2470	-.2660		
.650	-.3480						
.700				-.1830	-.1740	-.1710	
.725							
.750			-.3580				-.1710
.760			-.2010				
.775							
.808	-.2300		-.1620				
.834				-.1830			
.850							
.857	-.1990						
.865	-.1510						
.900			-.1040				
.905							
.950							
.953	-.1400						
.965							
Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.1160	-.2510	.1600	.1450	-.0570	-.2340	-.1790
.050				-.5910	-.7680	-.8620	-.7270
.081			-.3040				
.086		-.1990					
.094							
.120							
.177							
.229							
.246							
.250							
.362							
.400							
.402							
.497							
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							
.808							
.834							
.850							
.857							
.865							
.900							
.905							
.950							
.953							
.965							

MACH (1) = .600 ALPHAT(2) = -5.990

AMES 11-707 1A9 CEA + S3 + T9 LOWER WING

(RBM 44)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = .835 ALPHAT(2) = -3.990

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.150							
.177							
.229	-.0360						
.246							
.250							
.362	-.0390						
.410							
.402							
.497	-.2010						
.550							
.565							
.620							
.650							
.700	-.3310						
.725							
.750							
.760							
.775							
.808							
.834	-.2350						
.850							
.857							
.865	-.1940						
.900	-.1360						
.915							
.950							
.953							
.965	-.0390						

MACH (1) = .598 ALPHAT(3) = -3.990

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.177							
.180	-.0620						
.181							
.186							
.194	-.0670						
.190							
.177							
.229	-.0230						
.246							
.250							
.362	-.0230						
.410							
.402							
.497	-.1660						

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = .598 ALPHAT(3) = -3.990

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							
.808							
.834							
.850							
.857							
.865							
.900							
.905							
.950							
.953							
.965							

MACH (1) = .598 ALPHAT(4) = -1.970

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.020							
.030							
.061							
.086							
.094							
.150							
.177							
.229							
.246							
.250							
.362							
.410							
.412							
.497							
.550							
.565							
.610							
.650							
.710							
.725							
.750							
.760							
.775							

SECTION (1) LOWER WING

DEPENDENT VARIABLE C_D

MACH (1) = .599	ALPHAT(4) = -1.970	Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
		.808			-.2060				
		.834	-.2120						
		.850				-.1950	-.1710	-.1660	
		.857			-.1660				
		.865	-.1690						-.0630
		.900	-.1180			-.1020			
		.905			-.0970				
		.950			.0080	.0240	.0300	.0220	
		.953							
		.965	-.0960						
MACH (1) = .600	ALPHAT(5) = .060	Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
		.000	-.0600	-.0080	.2790	.4600	.6270	.4250	.3960
		.090				-.2380	-.2150	-.1890	-.2760
		.081		-.0080	-.0400				
		.086							
		.094	-.0360						
		.150				-.1180	-.1020	-.2430	-.1100
		.177			-.1100				
		.229	.0030						
		.246		-.0190					
		.250				-.1690	-.1300	-.1060	-.0980
		.362	.0280						
		.400			-.1950	-.1490	-.1560		-.1020
		.402							
		.497	-.0980			-.2590	-.3120		
		.550			-.2810				
		.565							
		.600							-.2310
		.650					-.2380	-.2420	
		.700	-.2670			-.2810			
		.725						-.2340	-.2440
		.750							
		.760			-.3060	-.2420	-.2530		
		.775			-.2010				
		.808	-.2030						
		.834				-.1970	-.1740	-.1680	
		.850			-.1740				
		.857							
		.865	-.1710						-.1660
		.900	-.1120			-.1030			
		.905			-.1070				
		.950				.0110	.0210	.0190	
		.953			-.1420				

SECTION (1) LOWER WING

MACH (1) = .600 ALPHAT(5) = .060

MACH (1) = .600 ALPHAT(6) = 2.070

SECTION (1) LOWER WING				
MACH (1) = .600	ALPHAT(5) = .060	Y/BW X/CW	.299 -.0340	.364 .427 .534 .673 .760 .887
MACH (1) = .600	ALPHAT(6) = 2.070	Y/BW X/CW	.299 -.0630 .0020 .0060 -.0160 .0140 .0150 .0470 -.1620 -.2610 -.2530 -.2720 -.3080 -.1950 -.1750 -.1140 -.0110 -.0340 -.0390	.364 .427 .534 .673 .760 .887 .4450 -.1140 .0110 -.1460 -.0480 -.1100 -.2060 -.2160 -.2190 -.2360 -.0620
MACH (1) = .600	ALPHAT(7) = 4.010	Y/BW X/CW	.299 -.1370 .000 .090 .161 .166 .164	.364 .427 .534 .673 .760 .887 .4450 -.1140 .0110 -.0340 -.0390 -.1460 -.0480 -.1100 -.2060 -.2160 -.2190 -.2360 -.0620

MACH (1) = .600 ALPHAT(7) = 4.010

MACN (1) =	.000	ALPHAT(7) =	4.010				
Y/BW	.299	.364	.427	.534	.673	.760	.887
X/CW	-.1370	-.0340	.2330	.4900	.3610	.3510	.1820
.000					.1520	-.1120	.1140
.050				-.1120			
.081			.1070				
.086		.1290					
.094	-.1430						

11-707

AMES 11-707 1A9 CEA + S3 + T9 LOWER WING

SECTION (1) LOWER WING

MACH (1) = .600 ALPHAT (7) = 4.010

DEPENDENT VARIABLE CP

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.150							
.177			.0030				
.229	.0280						
.246		.0570					
.250							
.362	.0730						
.400							
.402							
.497	-.0370		-.1370				
.590							
.565			-.2410				
.600							
.690							
.700	-.2440						
.725							
.750							
.760							
.775							
.808							
.834	-.1970						
.850							
.857							
.865							
.900	-.1080						
.905							
.950							
.953							
.965	-.0230						

MACH (1) = .500 ALPHAT (8) = 6.040

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.2080	-.1220	.1590	.3610	.2280	.1370	-.3530
.050				.1040	.1360	.1470	.2410
.181		.0400	.1680				
.186							
.194	.0180						
.190							
.177			.0520				
.229	.0430						
.246		.0530					
.250							
.362	.0910						
.400							
.402							
.497	-.0930						

NO. 1114101 NO. 000 0

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = .500 ALPHAT(0) = 0.040

Y/BW X/CW	.299	.364	.427	.534	.673	.760	.887
.590							
.565							
.600							
.630							
.700	-.2180				-.2470	-.1720	-.1500
.725							
.750							
.780							
.775							
.806							
.634	-.1980						
.650							
.657							
.665	-.1530						
.600	-.1090						
.905							
.920							
.935							
.965	-.0220						

MACH (1) = .800 ALPHAT(0) = 0.020

Y/BW X/CW	.299	.364	.427	.534	.673	.760	.887
.000	-.2900	-.2080	.0690	.2590	.0440	-.1210	-.7890
.050			.2180	.1820	.2470	.2870	.3470
.061							
.068		.0580					
.094	.0290			.1290	.2200	.1170	.1810
.150							
.177	.0370		.1020				
.229		.1200					
.246							
.250				.0370	.1150	.1290	.1130
.362	.1090						
.411				-.0190	.1360		.0520
.412							
.497	.0130						
.550							
.565							
.620							
.650							
.700	-.2190						
.710							
.725							
.750							
.760							
.775							

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

(RBM.44)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (1) = .599	ALPHAT(9) = 8.020	Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW									
.808									
.834									
.890									
.857									
.865									
.900									
.905									
.950									
.953									
.965									

MACH (2) = .801

ALPHAT(2) = -8.070

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000							
.030							
.081							
.086							
.094							
.150							
.177							
.229							
.246							
.253							
.362							
.400							
.402							
.497							
.550							
.565							
.620							
.650							
.700							
.725							
.750							
.760							
.775							
.818							
.834							
.850							
.857							
.865							
.911							
.915							
.950							
.953							

SECTION (1) LOWER WING

MACH (2) = .901 ALPHAT(1) = -6.070

DEPENDENT VARIABLE CP

1/10/1	.299	.364	.427	.534	.673	.760	.837
1/10/1	.983	-.1060					

BACH (2) = .901 ALPHA7(2) = -6.030

Y/W	.299	.364	.427	.534	.673	.780	.867
X/C				.3050	.2100	.1150	.0570
.000	-.0400	-.1860	.2220	-.			
.090				-.9230	-.7260	-1.2590	-1.0860
.001			-.1490				

1.006	-.0230
0.004	-.0230
0.190	-.2840
0.77	-.5720
	-.7080
	-.9950

.0177
 .229
 .0530
 .246
 .0150
 -.3972
 -.4630
 -.4660
 -.9320

.230		
.362	.0790	- .1470
.400		- .3640 - .3670
.400		- .3650

.402		- .6950
.497	- .1160	
.590		- .4250 - .5400

-.5970
-.600
-.620
-.6480
-.6620

.700	-.3460	-.5940
.725		-.5960
.750		-.2680
		-.2560

760	-4960	-1960
775	-2160	-1960
808	-2190	

.634	-.2860	
.650		-.1090
.657		-.1540
		-.0960
		-.1060

.865	-.2820		
.970	-.1860	-.0150	
.975		-.0710	-.0190

.951	.0420	.0710
.953	.0220	
.955		-.1941

[illegible]

Year	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100																																																																																						
1941	1.41	1.42	1.43	1.44	1.45	1.46	1.47	1.48	1.49	1.50	1.51	1.52	1.53	1.54	1.55	1.56	1.57	1.58	1.59	1.60	1.61	1.62	1.63	1.64	1.65	1.66	1.67	1.68	1.69	1.70	1.71	1.72	1.73	1.74	1.75	1.76	1.77	1.78	1.79	1.80	1.81	1.82	1.83	1.84	1.85	1.86	1.87	1.88	1.89	1.90	1.91	1.92	1.93	1.94	1.95	1.96	1.97	1.98	1.99	2.00	2.01	2.02	2.03	2.04	2.05	2.06	2.07	2.08	2.09	2.10	2.11	2.12	2.13	2.14	2.15	2.16	2.17	2.18	2.19	2.20	2.21	2.22	2.23	2.24	2.25	2.26	2.27	2.28	2.29	2.30	2.31	2.32	2.33	2.34	2.35	2.36	2.37	2.38	2.39	2.40	2.41	2.42	2.43	2.44	2.45	2.46	2.47	2.48	2.49	2.50	2.51	2.52	2.53	2.54	2.55	2.56	2.57	2.58	2.59	2.60	2.61	2.62	2.63	2.64	2.65	2.66	2.67	2.68	2.69	2.70	2.71	2.72	2.73	2.74	2.75	2.76	2.77	2.78	2.79	2.80	2.81	2.82	2.83	2.84	2.85	2.86	2.87	2.88	2.89	2.90	2.91	2.92	2.93	2.94	2.95	2.96	2.97	2.98	2.99	3.00	3.01	3.02	3.03	3.04	3.05	3.06	3.07	3.08	3.09	3.10	3.11	3.12	3.13	3.14	3.15	3.16	3.17	3.18	3.19	3.20	3.21	3.22	3.23	3.24	3.25	3.26	3.27	3.28	3.29	3.30	3.31	3.32	3.33	3.34	3.35	3.36	3.37	3.38	3.39	3.40	3.41	3.42	3.43	3.44	3.45	3.46	3.47	3.48	3.49	3.50	3.51	3.52	3.53	3.54	3.55	3.56	3.57	3.58	3.59	3.60	3.61	3.62	3.63	3.64	3.65	3.66	3.67	3.68	3.69	3.70	3.71	3.72	3.73	3.74	3.75	3.76	3.77	3.78	3.79	3.80	3.81	3.82	3.83	3.84	3.85	3

.161
 .166
 .164
 .0190
 -.5160
 -.1160

100

DATE 11 SEP 73

AMES 11-707 1A9 02A + S3 + T9 LOWER WING

(R8M44)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = .900 ALPHAT (4) = -1.090

Y/BW X/CW	.299	.364	.427	.534	.673	.760	.887
.550			-.3010	-.2947	-.4410		-.4630
.565						-.4890	
.600							
.650							
.700	-.2440						
.725							
.750							
.760							
.775							
.808							
.834	-.2720						
.850							
.857							
.865	-.2510						
.900	-.1480						
.905							
.950							
.953							
.965	-.0410						
Y/BW X/CW	.299	.364	.427	.534	.673	.760	.887
.000	-.0260	.0410	.3570	.5360	.4770	.4550	.4100
.050			.0600	-.1700	-.1830	-.2130	-.3610
.061							
.066							
.094							
.150							
.177							
.229							
.246							
.250							
.362	.1220						
.440							
.412							
.497	-.0100						
.550							
.565							
.600							
.650							
.651							
.710	-.2220						
.725							
.750							
.760							
.775							

MACH (2) = .902 ALPHAT (5) = .000

Y/BW X/CW	.299	.364	.427	.534	.673	.760	.887
.000	-.0260	.0410	.3570	.5360	.4770	.4550	.4100
.050			.0600	-.1700	-.1830	-.2130	-.3610
.061							
.066							
.094							
.150							
.177							
.229							
.246							
.250							
.362	.1220						
.440							
.412							
.497	-.0100						
.550							
.565							
.600							
.650							
.651							
.710	-.2220						
.725							
.750							
.760							
.775							

TABULATED PRESSURE DATA - 1A9A

AMES 11-757 1A9 CEA + S3 + T9 LOWER WING

(RBM-44)

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (2) = .902 ALPHAT(5) = .010

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.808			-.2430				
.834	-.2660						
.890							
.857			-.1380				
.865	-.2300						
.900	-.1340						
.905			-.0450				
.950			.0620				
.953							
.965	-.0270						

MACH (2) = .902 ALPHAT(6) = 1.990

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.0710	.0370	.3480	.5500	.4950	.4880	.3920
.050				-.0560	-.0420	-.1210	-.0920
.081		.0620	.1240				
.086							
.094	.0560						
.150				.0130	.0140	-.1550	-.0480
.177			.0250				
.229	.0680						
.246		.1120					
.250							
.362	.1330			-.0670	-.0360	-.0400	-.0710
.400				-.0620	-.0960		-.1130
.402			-.1030				
.497	.0200						
.550			-.2480				
.565							
.600							
.650							
.700	-.2000			-.5610			
.725							
.750			-.5220				
.765							
.775			-.2260				
.808							
.834	-.2550						
.890							
.857			-.1460				
.865	-.2170						
.910	-.1230						
.905			-.0560				
.950							
.953			.1490				

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = .902 ALPHAT(6) = 1.990

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.965	-.0110						

MACH (2) = .901 ALPHAT(7) = 4.010

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000	-.1390	.0050	.3190	.5300	.4580	.4580	.2720
.050			.1880	.0510	.0800	.0720	.0810
.081		.0740					
.086							
.094	.0480			.0730	.0960	-.0390	.0180
.150			.0740				
.177							
.229	.0630						
.246		.1390		-.0240	.0200	.0240	-.0160
.250				-.0220	-.0320		-.0700
.362	.1580						
.400			-.0710				
.412							
.497	.0500			-.2210	-.3960		
.590			-.2300				-.3550
.565						-.3880	
.600							
.630		-.1860		-.9210	-.5010		
.700						-.4960	-.5280
.725							
.750			-.4720				
.760				-.2840	-.5250		
.775			-.2270				
.818							
.834	-.2370			-.1720	-.1430	-.1470	
.850			-.1670				
.857							-.0720
.865	-.1840			-.0520			
.911	-.1250						
.905			-.0660	.0810	.0910	.0760	
.950			.0580				
.953							
.965	-.0150						

MACH (2) = .914 ALPHAT(8) = 6.010

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.040	-.2230	-.0720	.2790	.4970	.3780	.3610	.1970
.050				.1390	.1560	.1240	.2160
.081			.2350				
.086		.1080					
.194	.0590						

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (2) = .098 ALPHAT(9) = 7.990

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							
.818							
.834							
.890							
.857							
.865							
.900							
.905							
.950							
.953							
.965							

MACH (3) = 1.103 ALPHAT(1) = -8.010

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.100							
.150							
.181							
.186							
.194							
.150							
.177							
.229							
.246							
.250							
.362							
.410							
.412							
.497							
.550							
.565							
.610							
.650							
.710							
.725							
.750							
.760							
.775							

AMES 11-707 1A9 O&A + S3 + T9 LOWER WING

(FPM, 44)

SECTION (1) LOWER LING

DEPENDENT VARIABLE CP

MACH (3) = 1.103 ALPHAT(1) = -0.010

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.808			-.4970				
.834	-.4670						
.850				-.4710	-.6260	-.5770	
.857			-.6310				
.865	-.3980						-.4330
.940	-.3980			-.2950			
.945			-.3190				
.950				-.2500	-.2950	-.3490	
.953			-.2180				
.965	-.2190						

MACH (3) = 1.097 ALPHAT(2) = -5.950

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.122	-.2860	-.4340	.3430	.4920	.4130	.3340	.2970
.150				-.3890	-.5850	-.7540	-.7110
.177		-.0120	.1630				
.229	-.2630			-.1000	-.3970	-.4230	-.6820
.246							
.250		.1210		-.1340	-.1650	-.2810	-.5830
.362	.1580						
.471				-.1800	-.1610		-.1980
.497	.0570		-.1950				
.550				-.2580	-.3250		
.565			-.2850				
.671							-.2520
.650						-.3560	
.710	-.3210				-.4580		
.725				-.4620			
.750						-.4320	-.4270
.760			-.5180				
.775				-.5740	-.5290		
.818			-.4730				
.834	-.4570						
.850				-.4700	-.5780	-.5510	
.857			-.6210				
.865	-.3710						-.5100
.940	-.3750		-.2110				
.945			-.2510				
.950				-.2190	-.2670	-.5520	
.953			-.2090				

MACH (3) = 1.097 ALPHAT(2) = -3.990

MACH (3) = 1.100 ALPHAT(3) = -3.970

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW	-.965	-.2020					
Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW	-.2790	-.3180	.3070	.5990	.4940	.4390	.3990
				-.2130	-.4240	-.6060	-.5990
			.1030				
		.1070					
	-.2260		.0330	-.0360	-.1190	-.2380	-.4920
	.0710						
	.229	.1450					
	.246			-.0650	-.1520	-.1590	-.3730
	.290						
	.362	.1770		-.1420	-.1280		-.0010
	.400		-.1530				
	.402						
	.497	.0870		-.2120	-.2700		
	.550		-.2450				
	.565						-.2440
	.600					-.2970	
	.650			-.4030			
	.700	-.2800				-.3970	-.4060
	.725						
	.750		-.4710	-.4470	-.4820		
	.760		-.4530				
	.775						
	.818						
	.834	-.4330		-.5390	-.5400	-.5290	
	.850		-.3780				
	.857						-.3030
	.865	-.4140		-.2320			
	.910	-.3570	-.2440				
	.915			-.2180	-.3190	-.5960	
	.951		-.2430				
	.953						
	.965	-.1820					
Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW	-.2820	-.2130	.4080	.9950	.5250	.5110	.4690
	.160			-.1310	-.3430	-.5290	-.4370
	.180		.1420				
	.181						
	.186	.0550					
	.194	-.2390					

MACH (3) = 1.102 ALPHAT(4) = -3.990

(RBM.44)

ANES 11-707 IAS CEA + S3 + T9 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (3) = 1.102 ALPHAT (4) = -1.990

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.150				.0160	.0010	-.2040	-.2650
.171			.0550				
.229	.0770						
.246		.1580					
.250				-.0590	-.1140	-.0760	-.0940
.362	.1830			-.1050	-.0660		.0270
.400			-.1260				
.402							
.497	.0950			-.1780	-.2180		
.550			-.2110				-.2270
.565							
.600						-.2780	
.650	-.2290			-.3430			
.700						-.3780	-.4030
.725			-.4470				
.760			-.4460	-.4060	-.4550		
.775							
.806							
.834	-.4280			-.5160	-.4830	-.5220	
.850			-.4950				
.857							-.3920
.865	-.3700			-.2210			
.900	-.2860		-.2040				
.905				-.1090	-.3660	-.5540	
.950			-.1810				
.953							
.965	-.1630						

MACH (3) = 1.100 ALPHAT (5) = .000

Y/BW X/CW	.298	.364	.427	.534	.673	.780	.887
.100	-.2800	-.1480	.4170	.6240	.5590	.5540	.5120
.090				-.1270	-.1570	-.2770	-.2520
.081			.1920				
.086		.0640					
.094	-.2780						
.150				.0790	.1630	-.1370	-.1890
.177			.0660				
.229	.0750						
.246		.1740					
.250				-.1280	-.1440	.1210	.1420
.362	.1850			-.1030	-.1460		.1480
.400							
.402			-.0810				
.497	.0990						

ALICE PEARSON TWO CUB - 44

SECTION (1) LOWER MINE

MACH (3) = 1.100 ALPHAT(3) = .030

DEPENDENT VARIABLE CP

Y/BW X/CM	.299	.364	.427	.534	.675	.760	.887
.550							
.565							
.600							
.650							
.700							
.75							
.750							
.760							
.775							
.806							
.834							
.850							
.857							
.865							
.900							
.905							
.950							
.953							
.965							

MACH (3) = 1.100 ALPHAT(3) = 2.040

Y/BW X/CM	.299	.364	.427	.534	.675	.760	.887
.000							
.080							
.081							
.086							
.094							
.130							
.177							
.229							
.246							
.250							
.362							
.414							
.412							
.497							
.550							
.565							
.620							
.650							
.740							
.725							
.750							
.760							
.775							

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TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 CCA + S3 + T9 LOWER WING

(RBM44)

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (3) = 1.101 ALPHAT(6) = 2.040

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.867
.806			-.4300				
.834	-.4160						
.850				-.5050	-.4380	-.4480	
.857			-.5030				
.865	-.3490						-.3560
.900	-.3060			-.2910			
.905			-.1650				
.950				-.1710	-.5510	-.5410	
.953			-.1790				
.965	-.1270						

MACH (3) = 1.102 ALPHAT(7) = 3.980

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.867
.000	-.3490	-.1400	.3580	.5900	.5390	.5480	.4330
.050				.1370	.1340	.1010	.2260
.081		.0560	.2720				
.086							
.094	-.1740			.1640	.1800	.0790	.1880
.150			.1450				
.177							
.229	.0820	.1910					
.246				.0360	.1510	.1950	.1740
.250							
.362	.1790			.1410	.1370		.1510
.400			-.0100				
.412							
.497	.1100			-.0100	-.1020		
.550			-.0450				-.1470
.565						-.1640	
.600							
.650				-.2670	-.2610		
.710	-.0280					-.2760	-.3240
.725							
.750							
.760			-.4270				
.775				-.3660	-.3470		
.816			-.4220				
.834	-.4180						
.850				-.4990	-.4280	-.4350	
.857			-.4540				
.865	-.3250						-.3230
.900	-.2720			-.2120			
.915			-.1640				
.950				-.1510	-.5170	-.5290	
.953			-.1480				

AMES 11-707 1A9 CPA + S3 + T9 LOWER WING

DEPENDENT VARIABLE CP

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...

.096D
.391D
.297D
.398D
.349H
.474D

176917-1

176917-1

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

AVES 11-707 1A9 OEA + S3 + T9 LOWER WING

(RBNL44)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (3) = 1.102 ALPHAT(9) = 0.010

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.150							
.177			.2240				
.229	.0630						
.246		.2250					
.250				.1700	.2770	.3070	.2800
.362	.1890			.1980	.2150		.2070
.400			.1150				
.402							
.497	.1590			.0370	-.0480		
.550							
.565							
.600							
.690							
.700	-.0080						
.725							
.750							
.760							
.775							
.808							
.834	-.2750						
.850							
.857							
.865	-.2680						
.910	-.2370						
.915							
.950							
.953							
.965	-.0620						
Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1770	-.3600	-.1150	.3580	.3770	.3130	.3110
.050							
.181							
.186							
.194							
.190							
.177							
.229	-.2140						
.246		.0180					
.250							
.362	-.0680						
.414							
.412							
.497	.0750						

MACH (4) = 1.247 ALPHAT(1) = -0.080

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1770	-.3600	-.1150	.3580	.3770	.3130	.3110
.050							
.181							
.186							
.194							
.190							
.177							
.229	-.2140						
.246		.0180					
.250							
.362	-.0680						
.414							
.412							
.497	.0750						

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000	-.1770	-.3600	-.1150	.3580	.3770	.3130	.3110
.050							
.181							
.186							
.194							
.190							
.177							
.229	-.2140						
.246		.0180					
.250							
.362	-.0680						
.414							
.412							
.497	.0750						

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INTEGRATED PRODUCTION UNIT

(KEMPL44)

AMES 11-707 149 CEA + 83 + T9 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (4) = 1.847 ALPHAT(1) = -0.080

Y/BW X/CW	.539	.364	.427	.534	.673	.760	.687
.530							
.565							
.600							
.630							
.660							
.690							
.725							
.750							
.780							
.775							
.806							
.834							
.850							
.857							
.865							
.900							
.926							
.950							
.953							
.965							

MACH (4) = 1.850 ALPHAT(2) = -0.980

Y/BW X/CW	.299	.364	.427	.534	.673	.760	.687
.000							
.080							
.083							
.086							
.084							
.150							
.177							
.229							
.246							
.250							
.362							
.400							
.412							
.497							
.550							
.565							
.600							
.690							
.700							
.725							
.750							
.780							
.775							

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

AMES 11-707 1A9 29A + S3 + T9 LOWER WING

(RBM44)

SECTION (1) LOWER WING

DEPENDENT VARIABLE C_P

MACH (4) = 1.250 ALPHAT(2) = -5.960

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.808			-.3680				
.834	-.2910						
.850							
.857							
.865	-.4470						
.870	-.3410						
.905							
.950							
.953							
.965	-.3760						

MACH (4) = 1.247 ALPHAT(3) = -3.960

Y/BW X/CW	.299	.364	.427	.534	.673	.780	.887
.000			.1360	.5480	.5190	.4890	.4770
.050							
.081							
.086							
.094							
.150							
.177							
.229							
.246							
.250							
.362							
.400							
.412							
.497							
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							
.808							
.834							
.850							
.877							
.885							
.900							
.915							
.950							
.953							

SECTION (1) LOWER WING

MACH (4) = 1.247 ALPHAT(3) = -3.960

MACH (4) = 1.248 ALPHAT(4) = -2.000

DEPENDENT VARIABLE

Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW	-.3500						
Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW	-.1850	-.1790	.2180	.5970	.5560	.5540	.5250
.000				-.1200	-.2060	-.4060	-.2870
.050			.1660				
.081		-.1610					
.086							
.094	-.1820		.0800	.0580	-.0660	-.1940	
.180			.1720				
.177							
.229	-.1680						
.246		.1750		.0440	-.0200	-.0750	-.0250
.250							
.362	.1220			-.0160	.0080		.1070
.400			-.0200				
.402							
.497	.1680			-.0730	-.1140		
.550			-.1030				-.1380
.565							
.610						-.1610	
.650					-.2530		
.700	-.1580			-.2750		-.2590	-.2880
.725							
.750							
.780			-.3210				
.775							
.806							
.834							
.850	-.2890						
.857							
.865	-.4380						
.900	-.3620						
.905							
.950							
.953							
.965	-.3220						
Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW	-.1940	-.1250	.3180	.6550	.5910	.6420	.5600
.000				.0570	-.0910	-.1870	-.1410
.050			.2070				
.081							
.086							
.094							
.180							
.177							
.229							
.246							
.250							
.362							
.400							
.402							
.497							
.550							
.565							
.610							
.650							
.700							
.725							
.750							
.780							
.775							
.806							
.834							
.850							
.857							
.865							
.900							
.905							
.950							
.953							
.965							

MACH (4) = 1.248 ALPHAT(5) = .000

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

(R0M4.44)

ANES 11-707 1A9 CEA + S3 + T9 LOWER WING

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (4) = 1.243 ALPHAT (5) = .020

Y/R X/CW	.299	.364	.427	.534	.673	.780	.887
.150			.1930	.0690	.1580	-.0340	.0370
.177							
.229	-.1280	.1920		.0630	.0270	.0600	.0710
.246							
.250				.0170	.0560		.1280
.362	.1300		.0080				
.400							
.402							
.497	.1740						
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							
.803							
.834							
.850							
.857							
.865							
.900							
.905							
.950							
.953							
.965							
Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW							
.000							
.050							
.081							
.096							
.094							
.150							
.177							
.229							
.246							
.250							
.362							
.400							
.402							
.497							
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							
.803							
.834							
.850							
.857							
.865							
.900							
.905							
.950							
.953							
.965							

MACH (4) = 1.244 ALPHAT (6) = 2.070

DATE 20 JUL 68

FACULTY REPORT

ANES 11-707 IAS OSA + S3 + T9 LOWER WING

(FORM 44)

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (4) = 1.244 ALPHAT(6) = 2.070

Y/BA X/CA	.299	.364	.427	.534	.673	.760	.887
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							
.808							
.834							
.850							
.857							
.865							
.900							
.905							
.920							
.953							
.965							

MACH (4) = 1.244 ALPHAT(7) = 4.080

Y/BA X/CA	.299	.364	.427	.534	.673	.760	.887
.000							
.030							
.061							
.066							
.094							
.150							
.177							
.229							
.246							
.250							
.362							
.400							
.402							
.497							
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							

DATE 20 SEP 73

TABULATED PRESSURE DATA - 1A9A

(RPM 44)

AVES 11-707 1A9 CEA + S3 + T9 LOWER WING

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

MACH (4) = 1.248 ALPHAT (7) = 4.020

Y/BW X/CW	.299	.364	.427	.534	.673	.763	.887
.808			-.2420				
.834	-.2600						
.850				-.3030	-.2510	-.2910	
.857							
.865	-.4190						
.910	-.3050			-.3730			-.2200
.915							
.950				-.4330	-.3620	-.3720	
.953							
.965	-.2610						

MACH (4) = 1.246 ALPHAT (8) = 6.030

Y/BW X/CW	.299	.364	.427	.534	.673	.763	.887
.808							
.834	-.2890	-.2410	.2920	.6400	.5620	.5680	.4410
.850				.2680	.2780	.2270	.3580
.857							
.865							
.910							
.915							
.950							
.953							
.965							

.808							
.834							
.850							
.857							
.865							
.910							
.915							
.950							
.953							

AMES 11-707 IAG CCA + S3 + T9 LOWER WING

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

MACH (4) = 1.246 ALPHAT(8) = 0.030

	Y/DW	.299	.364	.427	.534	.673	.780	.887
X/CW	.965	-.2390						

MACH (4) = 1.246 ALPHAT(9) = 0.010

	Y/BW	.299	.364	.427	.534	.673	.780	.887
X/CW	.000	-.3180	-.3230	.2220	.6220	.5710	.5580	.3570
	.030			.3830	.3410	.3720	.3370	.4810
	.081		.0260					
	.166							
	.094	-.0920			.2920	.3790	.2590	.3790
	.190			.2700				
	.177							
	.229	.0160						
	.246		.2310		.2020	.2530	.3580	.3550
	.290							
	.362	.1670			.1820	.2780		.2970
	.400			.1150				
	.402							
	.497	.1920		.1180	.1550	.0880		.0370
	.590						.0180	
	.565							
	.610							
	.650							
	.700	.0800			-.1220		-.0930	-.1330
	.725							
	.790			-.2460				
	.760				-.2080	-.1790		
	.775							
	.818			-.2610				
	.834	-.2620						
	.890				-.3190	-.2550	-.2450	
	.857			-.3810				
	.865	-.3870						-.1700
	.910	-.2230			-.3870			
	.915			-.5140				
	.950				-.4390	-.3720	-.3350	
	.953			-.4380				
	.965	-.2190						